





SHINHEUNG PRECISION CORPORATION HAS MADE ENDLESS EFFORTS TO ACHIVE SUSTAINABLE BUSINESS INNOVATION, TECHNOLOGICAL ADVANCEMENT, AND HUMAN RESOURCES DEVELOPMENT

"Shinheung is a leading corporation which provides the best quality precision machines and service in the digital era. We will be the one, creating human-centered digital era"







OUR VISION MATCHES OUR CUSTOMERS' DREAMS

We promise to make perfect products that meet customers' high expectations. Shinheung will be there with you in your way to make your dreams come true



- Since 1968
- 11 Countries (HQ in Korea)
- 16 Affiliates (Including SAM4S)
- 25 Offices and Factories
- Over 13,000 Employees
- \$ 1.0 Billion
- www.shc.co.kr

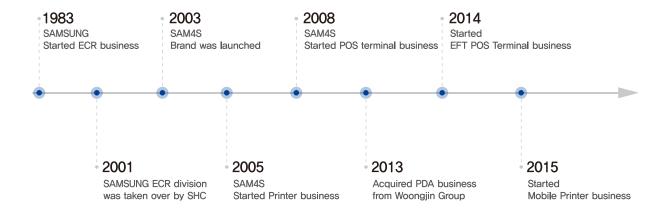
Main Partners



About SAM4S

As a store automation products manufacturer, SAM4S aims to achieve the best quality products and make the most flexible and reliable products at all times. We have human resources with knowledge of more than 30 years of experience in the store automation field. We now produce the most sophisticated and diverse products to the world—wide market. Our store automation products are extensively used in over 60 countries. We are committed to developing future models that provide innovation and solutions to meet the demands of fast moving markets.

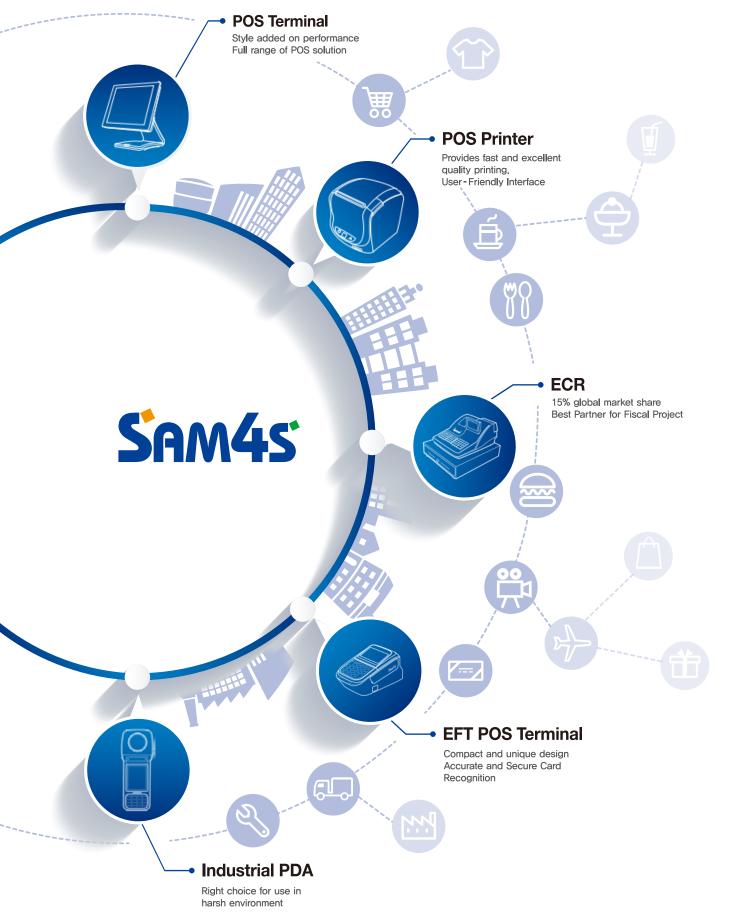
Timeline



Why SAM4S?



Total Solution Brand SAM4S



POS Terminal

PROVIDE RELIABLE & VERSATILE HOSPITALITY SOLUTIONS

Drive your hospitality business ahead with high performance technology solutions from an industry leader



TITAN S series is a SAM4S's newest POS terminal with low energy, high performance CPU in a modern and slim but strong design. With bright and vivid screen provided by an excellent touch monitor with frontal IP55 protection structure, your user experience with TITAN S will be convenient. With its simple assembly design, it is easy to install and convenient for maintenance. The user can efficiently use the shop's space with its slim and compact size and as the cables could be organized under the stand, users also can keep the shop space neat.

POS Terminal

TITAN S Series

Stylish POS Terminal



- Intel Braswell Celeron N3160 or Bay Trail Celeron N2807 CPU
- Energy Efficient and Low Heat Generation Architecture
- Slim Diplay, Sleek Chassis and Small Footprint Design
- 15" LED LCD Display with True—Flat PCAP Touch
- IP55 Dust and Water Proof in Front Panel
- Supporting M.2 SSD
- Microsoft Azure Certified

TITAN Series

High Performance POS Terminal



- Various Intel CPU Options such as Celeron, Pentium and Core i3/5/7
- 15" LED LCD Display with PCAP Touch
- Slim MSR & Built—in Power Supply
- Tool—less Design Provides Easy Installation and Maintenance
- Upper I/O Panel for Easier Control
- High Gloss in Black or White Finish
- Microsoft Azure Certified

SPT-4800 Series

Reliable and Fanless POS Terminal



- Powerful Performance with Intel Braswell Celeron N3160 CPU
- 15" LED LCD Display with PCAP Touch
- High Gloss in Black or White Finish
- Tool—less Desigh for Easy Maintenance
- Clean, Quiet Fan Free Design

SPT-4700 Series

Elegant Touch Screen POS Terminal



- Powerful Performance with the Latest Intel Celeron CPU
- 15" LED LCD Display with PCAP Touch
- Silent, Fan-free Systems for Reliability
- Various Customer Display (VFD, 7", 9.7" &15" LCD Dual)

POS Terminal

SPT-7000 Series

Stylish All-in-One POS Terminal



- Powerful Performance with Intel Braswell Celeron N3160 CPU
- Minimal Use of Space with Built—in Devicce (Receipt Printer, Scanner, Power Adaptor)
- Stylish Curved Cabinet Design
- Tool—less Desigh for Easy Maintenance
- 15" LED LCD Display with PCAP Touch

SAP-6000

15" Touch Screen Android POS Terminal



- Android 6.0 Marshmallow
- High—Performance Android POS System with Intel Celeron CPU
- Fanless Architecture
- No Ventilation Hole System
- IP55 Certified

SAP-630

All-in-One Android POS Terminal



- Android 6.0 Marshmallow
- Large Keyboard for PLU Shortcut Keys
- Ports to Connect Scanner or Remote Printer
- Cost Saving POS Bundle
- Built—in 3" Printer and Cash Drawer

Specification_POS Terminal

Model		TITAN S Series				
Picture						
Submodel		TITAN-S100	TITAN-S200	TITAN-S300		
	CPU	Intel Celeron N2807 (Dual Core 2.16GHz)	Intel Celeron N3160 (Quad Core 2.24GHz)	Intel Celeron J1900 (Quad Core 2.42GHz)		
System	Storage	HDD: 320GB SSD: 256GB/128GB/64GB mSATA: 256GB/128GB/64GB	HDD: 320GB SSD: 256GB/128GB/64GB M.2 SSD: 256GB/128GB/64GB	HDD: 320GB SSD: 256GB/128GB/64GB mSATA: 256GB/128GB/64GB		
	RAM	DDR III 1Slot (Up to 4GB)	DDR III 1Slot (Up to 8GB)	DDR III 1Slot (Up to 4GB)		
	Size	15" LED LCD (1024 x 768)				
Display	Input	5W Resistive Touch PCAP Touch (Optional)				
	Serial	4 Ports (RI/5V/12V BIOS Selectable)				
	Parallel	1 Port (Optional)				
I/O	USB	6 Ports (USB 2.0)	6 Ports (2Ports USB 2.0/2Ports USB 3.0-REAR) (2Ports USB 2.0-SIDE)	6 Ports (3Ports USB 2.0/1Port USB 3.0-REAR) (2Ports USB 2.0-SIDE)		
	Ethernet & VGA	1 Port				
	Drawer	1 Port/2 CH (12V/24V Selectable)				
	Audio	1 Port (Line out)				
	MSR	1/2/3 Track Support (USB)				
Peripherals	Customer Display	15" LED LCD (1024 x 768) Normal/Flat 9.7" LED LCD (1024 x 768) Flat VFD (20CH x 2Line) VFD (256 x 32 Graphic)				
	Expansion Slot	mini PCle Slot x 1	mini PCIe Slot x 1 m,2 Slot x 1			
	Specific Option	VESA Wall Mount, V stand				
Software	OS	POSReady 7 Windows 7, 8.1, 10 Windows 10 IoT				
Power supp	ly	DC 12V/5A				
		I amount of the second				
Model			TITAN Series			

Model			TITAN Series	
Picture				
Submodel		TITAN-200	TITAN-500	
System	CPU	Intel Celeron N3160 (Quad Core 2,24GHz)	3rd Generaion Intel Core-17/i5/i3 Intel Celeron Intel Pentium	
System	Storage	HDD : 320GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB		
	RAM	DDR III 2Slots (Up to 8GB)	DDR III 2Slots (Up to 16GB)	
	Size	15" LED LCD (1024×768)		
Display	Input	5W Resistive Touch PCAP Touch (Optional)		
	Serial	4 Ports (RI/5V/12V BIOS Selectable)		
	Parallel	1 Port (Optional)		
	USB	6 Ports (2Ports USB 2.0-SIDE) (4Ports USB 3.0-REAR)	6 Ports (USB 2,0)	
I/O	PS/2	=		
	HDMI	1 Port	_	
	Ethernet & VGA	1 Port		
	Drawer	1 Port/2 CH (12V/24V Selectable)		
	Audio	3 Ports (Line in & out/Mic. in)	1 Port (Line out)	
	Internal Printer	=		
	MSR	1/2/3 Track Support (USB)		
	Scanner	-		
	Fingerprint Reader	Optical USB Type		
	Dallas Key	Magnetic USB Type		
		15" LED LCD (1024 x 768) Normal/Flat		
Peripherals		9.7" LED LCD (1024 x 768) Flat		
,	Customer Display	7" LED LCD (800 x 480) Wide		
		VFD (20CH x 2Line) VFD (256 x 32 Graphic)		
	Expansion Slot	PCle 1 x Slot x 1 mini PCle Slot x 1	mini PCIe Slot x 1	
	Specific Option	VESA Wall Mount, V stand		
Software	OS	POSReady 7 Windows 7, 8.1, 10		
		Windows 10 IoT		
Power suppl	у	DC 12V/5A	DC 19V/7.89A	

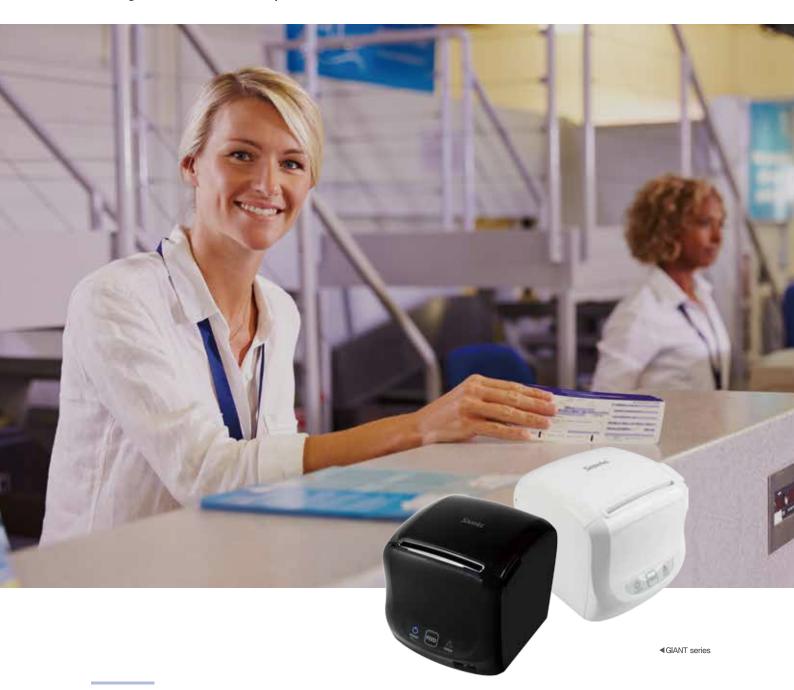
Specification_POS Terminal

Model		SPT-4800 Series	SPT-4700 Series	SPT-7000 Series
Picture				
Submodel	CDU	SPT-4850	SPT-4750	SPT-7050
System	CPU Storage	Intel Celeron N3160 (Quad Core 2,24GHz) HDD: 320GB SSD: 256GB/128GB/64GB mSATA: 256GB/128GB/64GB DDR III 2Slots (Up to 8GB)		HDD: 320GB SSD: 256GB/128GB/64GB mSATA: 256GB/128GB/64GB Support 2 Storage Bay Slots
Display	Size Input	15" LED LCD (1024 x 768) 5W Resistive Touch PCAP Touch (Optional)	5W Resistive Touch	5W Resistive Touch PCAP Touch (Optional)
I/O	Serial Parallel USB HDMI Ethernet & VGA Drawer Audio	4 Ports (RI/5V/12V BIOS Selectable) 1 Port (Optional) 6 Ports (2Ports USB 2.0-SIDE/4Ports USB 3.0-R 1 Port 1 Port 1 Port/2 CH (12V/24V Selectable) 3 Ports (Line in & out/Mic, in)	EEAR)	
Peripherals	Internal Printer MSR Scanner Fingerprint Reader Dallas Key Customer Display	1/2/3 Track Support (USB) Optical USB Type Magnetic USB Type 15" LED LCD (1024 x 768) Normal/Flat 9.7" LED LCD (1024 x 768) Flat 7" LED LCD (800 x 480) Wide VFD (20CH x ZLine)		2" / 3" Thermal (270mm/sec) 2D Available
Software	Expansion Slot Specific Option	VFD (256 x 32 Graphic) PCle Slot x 1, mini PCle Slot x 1 VESA Wall Mount, Support CFast Card POSReady 7		USB Dongle Wi-Fi, Support CFast Card
Power supply		Windows 7, 8,1,10 Windows 10 IoT DC 12V/5A		DC 12V/5A (Printer : DC 24V/2,5A)
Tower supply	/	DC 124/3A		DC 124/3A (Fillier : DC 244/2,3A)
Picture		#		
Submodel		SAP-6000	SAP-630	
0	CPU	Intel Celeron N3160 (Quad Core 2.24GHz)		
System	Storage	M.2 SSD 16GB	NAND 8GB	
	RAM Size	DDR III 1Slot (Up to 8GB) 15" LED LCD (1024×768)	DDR III 2GB 9,7" LED LCD (1024×76	38)
Display		5W Resistive Touch		00)
-17	Input	PCAP Touch (Optional)	5W Resistive Touch	
Keyboard	Flat / Raised	_	160 Keys / 90 Keys	
	Serial Parallel	3 Ports (RI/5V/12V BIOS Selectable) 1 Port (Optional) 6 Ports	4 Ports (DSUB9 x 2, RJ4	5 x 2)
I/O	PS/2 & HDMI	(2Ports USB 2.0/2Ports USB 3.0-REAR) (2Ports USB 2.0-SIDE)	2 Ports (USB 2,0)	
	Ethernet	1 Port		
	VGA Drawer	1 Port 1 Port/2 CH (12V/24V Selectable)	Internal 1 Port, External	2 Ports
	Audio	3 Ports (Line out)	internal i Port, External	2 1 010
	Internal Printer	-	3" Thermal (100mm/sec)
	MSR Da ll as Key	1/2/3 Track Support (USB)	1/2 or 2/3 Track Magnetic Type	
Peripherals	Customer Display	15" LED LCD (1024 x 768) Normal/Flat 9.7" LED LCD (1024 x 768) Flat VFD (20CH x 2Line) VFD (256 x 32 Graphic)	- VFD (16CH x2Line)	
	Expansion Slot	mini PCle Slot x 1 m,2 Slot x 1	-	
	WiFi/Bluetooth	m.2 Slot x I Built-in (Option)	I	
	SD Card	-	1 Slot	
	Specific Option	-	·	
	OS DataBase TAX	Android 6.0 (Marshmellow) SQLite VAT, ADD ON, TAX TABLE		
Software	Dashboard report Check Tracking Promotion User Interface	Yes Table Management, Add/Split/Merge, Reserv Promotion, Sweet Deal, Combo Discount Suport Right/Left Hand UI	ration	
Power suppl	Network	IRC DC 12V/5A	AC 100∼240 Free Volta	900
· ower suppl	7	DO ILVION	AC 100° 7240 FIEE VOILS	~8~

POS Printer

FROM FRONT DESKS AND STADIUMS, TO AIRPORTS AND CONCERT HALLS

Discover the many ways SAM4S ticketing solutions are being used to create lasting customer relationships and benefit business



GIANT is the new 3" thermal receipt printer. Distinctive in its very small size, the GIANT is as small or smaller than 2" printers. Nevertheless it performs equal to or better than competing 3"printers. GIANT is a signpost model, pointing the direction to which receipt printers will evolve in the future.

POS Printer

GIANT Series

Smart and Compact POS Printer



- Compact Size and Smaller Footprint
- Conveniently Provides NFC Tag
- Faster Speed 250mm/sec
- Jam Free Auto Cutter
- Tool—less Design
- Various Interfaces

ELLIX Series

Powerful and Reliable POS Printer



- Faster Speed 270mm/sec
- Comprehensive Barcode Formats
- Low Power Consumption and Paper Saving
- Jam Free Auto Cutter
- Tool-less Design
- Various Interfaces

SHMP Series

Direct Thermal Mobile Printer



- 2"/3" Bluetooth Portable Printer
- Compact and Lightweight Design
- Faster Speed 100mm/sec
- Long Lasting Battery Life
- Intergrated Card Reader (MSR)

Mechanism

High Performance and Compact Printer Mechanism



STM-280H/280HN



STM-280V/280VN

STM-281VN

- High Speed and Quality
- Printing—Durability and Low Noise
- Easy Paper Loading
- Cover Closed Sensor (switch) to Increase the Accuracy
- Low Power Consumption and Paper Saving

Specification_POS Printer

Dimensions (with Foot Rubber) 131(W)+1, USB+Serial + Ethernet (3-Combo)	Model		GIAN	T Series	
Service Service Memory Service					
Printing Method Selection	Picture				
Biscont Bisc	Submodel		GIANT-100 GIANT PRO (NFC Tag)		
Pinting Mone Pager 88mm Max. 250mm/sec (58mes/sec)		hod			
		Mono Popor 90mm			
Top Cale Faper 190mm/sec					
Marie	Speed				
Demoter Mar. Q May Memory Softings Softings	Deve				
Mammary PAM Memory 28-8yle 2	Paper				
DATA Euffer G44G/je					
Mechanism (MCREF)	Memory				
Test					
Auto Cutter	Reliability				
Barcode		Auto Cutter	1,500,000 Cuts		
Code 128, IFF, CODABAR, PDFA17, ORCode	Drawer Port				
Driver / Utility	Barcode				
Differ Value Cure Differ Cure Differ	Date / com	L.			
Dimensions (with Foot Rubber)		ty	Cups Driver (Linux&Mac), Utility Program		
District	SDK				
Dimensors (with Foot Rubber)	Interface			USB + Serial + Ethernet (3-Combo)	
Maintain	Dimensions	(with Foot Rubber)			
Copion	Weight	,	1.0 Kg		
Cption Pages Name Tend Gensor Ves (Only Horizontal) Ves					
Paper Near End Sensor Yes (Only Horizontal)	Emulation	LCD Display			
Wall Mount Kit Spicch Cover Yes Default			Yes (Only Horizontal)		
Splash Cover Yes Yes Power Supply Power Supply Display Speed Separator (58mm) Power Supply Display Speed Separator (58mm) Power Supply Display Splay	Option				
Paper Separator (58mm) Delault					
Picture					
Picture					
Submode ELIX4SI ELIX40	NFC Function	n	-	ISO/IEC 14443A Compatible	
Submode	Model		ELLD	(Series	
Printing Method Thermal Line Printing Resolution 180dpi Printing Speed Mono Paper 80mm Max, 270mm/sec (63lines/sec) Two Color Paper 150mm/sec Loading Droph Type Width Max, 80.0mm/se.0mm Diameter Max, 80.0mm/sb.0mm Diameter Max, 98.30mm Memory DATA Memory 8MByte DATA Buffer 64KByte Mechanism (MCBF) 70,000,000 Lines Reliability TPH 1 x10° Pubses/150Km Auto Cutter 2,000,000 Cuts Barcode UPC-A, UPC-E, EANB, EANT3, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Driver / Utility Windows Direver, JPOS Direver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), Usility Program SDK IOS SDK, Android SDK USB Only, USB +Serial (25Pin), USB +Serial (9Pin + RJ45), USB +WiFin, USB +WiFin, USB +WiFin, USB +Serial (9Pin + RJ45), USB +WiFin, USB					
Resolution	Picture				
Printing Speed Mono Paper 80mm Max 270mm/sec Paper Mono Paper 58mm 150mm/sec Paper Loading Drop-In Type Width Max 80,0mm/58,0mm Jameter Max 60,0mm/58,0mm Mechanism (MCBF) 70,000,000 Unics TPH 1 x 10 ⁸ Pulses/150Km Auto Cutter 2,000,000 Cuts Brower Port 1 2 Ports (+24v) Brower Port 2 Ports (+24v) Brower Port Ports (Linux Mac),			ELLIX45II	ELLIX40II	
Mono Paper 88mm 150mm/sec 150mm/sece 150mm/sece 150mm/sece 150mm/s	Submodel Printing Met	hod	Thermal Line Printing	ELLIX40II	
Two Cofor Paper 100mm/sec	Submodel Printing Metal Resolution		Thermal Line Printing 180dpi	ELLIX40II	
Paper Width Max. 80.0mm/58.0mm Diameter Max. 90.30.mm PGM Memory 10MByte DATA Memory 8MByte Mechanism (MCBF) 70.000,000 Lines Reliability TPH 1 x 10 ⁸ Pulses/150Km Auto Cutter 2,000,000 Cuts Drawer Port 2 Ports (+24V) Barcode UPC-A, UPC-E, EANB, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Driver / Utility Vindows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program SDK IOS SDK, Android SDIK Interface USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Bluetooth, USB + Bluetooth, USB + Will, USB + Serial + Ethernet (3-Combo) Dimensions (with Foot Rubber) 144(w) x 199(b) x 138(H)mm Weight 2,0 Kg Color Emalation EPSON, STAR Option Faper Near End Sensor Default Will Mount Kit Yes Vasian Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing	Mono Paper 80mm	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec)	ELLIX40II	
Diameter Max. Ø 83.0mm PGM Memory 10MByte DATA Buffer 64KByte DATA Buffer 64KByte Mechanism (MCBF) 70,000,000 Lines TPH	Submodel Printing Metl Resolution Printing	Mono Paper 80mm Mono Paper 58mm Two Color Paper	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec	ELLIX40II	
Memory DATA Buffer DATA Buffer DATA Buffer Buffer Belability DATA B	Submodel Printing Metl Resolution Printing Speed	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading	Thermal Line Printing 180dpi Max, 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type	ELLIX40II	
DATA Buffer 64KByte 70,000,000 Lines 70,000,000 Lines 71	Submodel Printing Metl Resolution Printing Speed	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm	ELLIX40II	
Reliability Mechanism (MCBF) 70,000,000 Lines Pried (Auto Cutter) 1 x 10 ⁸ Pulses/150Km Drawer Port (Auto Cutter) 2,000,000 Cuts Barcode UPC-4, UPC-E, EANB, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Driver / Utility Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program SDK IOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) Dimensions (with Foot Rubber) 144(W) x 199(D) x 138(H)mm Weight 2.0 kg Color Black, White Emulation EPSON, STAR LCD Display Yes Paper Near End Sensor Default Kitchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte	ELLIX40II	
Reliability TPH Auto Cutter 1 x 10 ⁸ Pulses/150Km Drawer Port 2,000,000 Cuts Barcode 2 Ports (+24V) Driver / Utility UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Driver / Utility Windows Driver, OPOS Driver (Linux&Mac), Cups Driv	Submodel Printing Metl Resolution Printing Speed	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte	ELLIX40II	
Drawer Port 2 Ports (+24V) Barcode UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Driver / Utility Windows Driver, OPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program SDK IOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallet, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) Dimensions (with Foot Rubber) 144(W) x199(D) x138(H)mm Weight 2,0 Kg Color Black, White Emulation EPSON, STAR Option Kitchen Bell Yes Paper Near End Sensor (Kitchen Bell) Yes Splash Cover (Splash Cover Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer	Thermal Line Printing 180dpi Max, 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max, 80.0mm/58.0mm Max, Ø 83.0mm 10MByte 8MByte 64KByte	ELLIX40II	
Barcode UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, UDOS Driver (Linux&Mac), Viver / Utility Cups Driver (Linux&Mac), Utility Program SDK IOS SDK, Android SDK Interface USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Parallel, USB + Serial (9Pin + RJ45), USB + Parallel, USB + Serial (9Pin + RJ45), USB + S	Submodel Printing Metl Resolution Printing Speed Paper Memory	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF)	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines	ELLIX40II	
Code 128, ITF, CODABAR, PDF417, QRCode	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts	ELLIX40	
Driver / Utility Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program SDK iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Wiffi, USB + Serial + Ethernet (3-Combo) Dimensions (with Foot Rubber) 144(W) x 199(D) x 138(H)mm Weight 2,0 Kg Color Black, White Emulation EPSON, STAR Option Kitchen Bell Yes Ves Wall Mount kit Yes Splash Cover Yes Paper Separator (58mm) Yes Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V)	ELLIX40II	
Cups Driver (Linux&Mac), Utility Program	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10³ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93	ELLIX40II	
Dimensions (with Foot Rubber)	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac),	ELLIX40II	
Weight 2,0 Kg Color Black, White Emulation EPSON, STAR LCD Display Yes Paper Near End Sensor Default Witchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10³ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program	ELLIX40II	
Color Black, White Emulation EPSON, STAR Paper Near End Sensor Default Vitchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth,		
Emulation EPSON, STAR Paper Near End Sensor Default Kitchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec 100mm/sec Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Usb + Parallel, USB + Bluetooth, USB + Perallel, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm		
LCD Display Yes Paper Near End Sensor Default Kitchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2,0 Kg		
Option Kitchen Bell Yes Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, ORCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2,0 Kg Black, White		
Wall Mount Kit Yes Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Cups Driver (Linux&Mac), USB + Parallel, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2.0 Kg Black, White EPSON, STAR		
Splash Cover Yes Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter LCD Display Paper Near End Sensor	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Wi-Fi, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2.0 Kg Black, White EPSON, STAR Yes Default		
Paper Separator (58mm) Yes	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color Emulation	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter ty LCD Display Paper Near End Sensor Kitchen Bell	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10³ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2,0 Kg Black, White EPSON, STAR Yes Default		
Power Supply DC 24V/2,5A	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color Emulation	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter LCD Display Paper Near End Sensor Kitchen Bell Wall Mount Kit	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec 100mm/sec Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10³ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), UsB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x199(D) x138(H)mm 2,0 Kg Black, White EPSON, STAR Yes Default Yes Yes		
	Submodel Printing Metl Resolution Printing Speed Paper Memory Reliability Drawer Port Barcode Driver / Utilit SDK Interface Dimensions Weight Color Emulation Option	Mono Paper 80mm Mono Paper 58mm Two Color Paper Loading Width Diameter PGM Memory DATA Memory DATA Buffer Mechanism (MCBF) TPH Auto Cutter LCD Display Paper Near End Sensor Kitchen Bell Wall Mount Kit Splash Cover Paper Separator (58mm)	Thermal Line Printing 180dpi Max. 270mm/sec (63lines/sec) 150mm/sec 100mm/sec 100mm/sec Drop-In Type Max. 80.0mm/58.0mm Max. Ø 83.0mm 10MByte 8MByte 64KByte 70,000,000 Lines 1 x 10 ⁸ Pulses/150Km 2,000,000 Cuts 2 Ports (+24V) UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program iOS SDK, Android SDK USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Wi-Fi, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo) 144(W) x 199(D) x 138(H)mm 2.0 Kg Black, White EPSON, STAR Yes Default Yes Yes		

Specification_POS Printer

Model		ELLIX Series			
Picture					
Submodel		ELLIX42	ELLIX35III		
Printing Met	thod	Thermal Line Printing	**		
Resolution		203dpi	180dpi		
Deletion	Mono Paper 80mm	Max, 220mm/sec (58lines/sec)	Max, 230mm/sec (54lines/sec)		
Printing	Mono Paper 58mm	150mm/sec			
Speed	Two Color Paper	100mm/sec			
	Loading	Drop-In Type			
Paper	Width	Max. 80.0mm/58.0mm			
	Diameter	Max. Ø 83,0mm			
	PGM Memory	10MByte	2MByte		
Memory	DATA Memory	8MByte			
	DATA Buffer	64KByte			
	Mechanism (MCBF)	70,000,000 Lines			
Reliability	TPH	1 x 108 Pulses/150Km			
	Auto Cutter	2,000,000 Cuts			
Drawer Por	t	2 Ports (+24V)			
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93 Code 128, ITF, CODABAR, PDF417, QRCode			
Driver / Utili	ity	Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac), Cups Driver (Linux&Mac), Utility Program			
SDK		iOS SDK. Android SDK			
Interface		USB Only, USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Bluetooth, USB + Wi-Fi, USB + Serial + Ethernet (3-Combo)	USB + Serial (25Pin), USB + Serial (9Pin + RJ45), USB + Parallel, USB + Serial + Ethernet (3-Combo)		
Dimensions	(with Foot Rubber)	144(W) × 195(D) × 137(H)mm	144(W) x 199(D) x 138(H)mm		
Weight	,	2.0 Kg			
Color		Black, White			
Emulation		EPSON, STAR			
	LCD Display	Yes	_		
	Paper Near End Sensor	Default			
Option	Kitchen Bell	Yes			
Option	Wall Mount Kit	Yes			
	Splash Cover	Yes			
	Paper Separator (58mm)	Yes			
Power Supp	oly	DC 24V/2.5A			

Model		ELLIX Series				
Picture						
Submodel		ELLIX30III	ELLIX32III	ELLIX40F		
Printing Meth	od	Thermal Line Printing				
Resolution		180dpi	203dpi	180dpi		
Printing	Mono Paper 80mm	Max. 230mm/sec (54lines/sec)	Max. 180mm/sec (48lines/sec)	Max. 270mm/sec (63lines/sec)		
Speed	Mono Paper 58mm	150mm/sec				
Speed	Two Color Paper	100mm/sec				
	Loading	Drop-In Type				
Paper	Width	Max. 80.0mm/58.0mm				
	Diameter	Max. Ø 83,0mm				
	PGM Memory	2MByte	10MByte			
Memory	DATA Memory	8MByte				
	DATA Buffer	64KByte				
	Mechanism (MCBF)	70,000,000 Lines				
Reliability	TPH	1 x 10 ⁸ Pulses/150Km				
	Auto Cutter	2,000,000 Cuts				
Drawer Port		2 Ports (+24V)				
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93				
Daroodo		Code 128, ITF, CODABAR, PDF417, QRCode				
Driver / Utility	/	Windows Driver, OPOS Driver, JPOS Driver (Linux&Mac),				
		Cups Driver (Linux&Mac), Utility Program				
SDK		iOS SDK, Android SDK				
Interface		USB + Serial (25Pin), USB + Serial (9Pin + R		USB (B type) + Serial (RJ45) + Ethernet		
		USB + Parallel, USB + Serial + Ethernet (3-Combo)				
	with Foot Rubber)	144(W) x 195(D) x 137(H)mm		144(W) x 224(D) x 182(H)mm		
Weight		2.0 Kg		2.4 Kg		
Color		Black, White				
Emulation	1.00 0:1-	EPSON, STAR		Yes		
	LCD Display					
	Paper Near End Sensor Kitchen Bell	Yes Yes		Default		
Option	Wall Mount Kit	Yes				
	Splash Cover	Yes		-		
	Paper Separator (58mm)	Yes				
Power Suppl		PS DC 24V/2,5A				
Fower Suppl	у	DC 24V/2.3A				

Specification_Mobile Printer & Mechanism

Model			SHMP Series			
Picture						
Submodel			SHMP-200		SHMP-300	
Printing Method Resolution			Thermal Line Printing 203dpi			
Printing Speed			Max. 100mm/sec			
	Loading		Drop-In Type			
Paper	Width Diameter		Max. 58.0mm Max. Ø 30.0mm		Max. 80.0mm Max. Ø 40.0mm	n
Memory	Flash		8Mbytes			
·	SDRAM	Font A	16Mbytes 12 x 24			
	Size	Font B	9×24			
Character	Column Capacity	Font A Font B	32 42		48 64	
	Character Set	FOILB	Alphanumeric Characters: 95 Extended Characters: 128 x 30 Page International Characters: 32		04	
Barcode			UPC-A, UPC-E, EAN8, EAN13, Code 39			
SDK			Code 128, ITF, CODABAR, PDF417, Q iOS SDK, Android SDK, Windows SDK	NOULE, DATAMATRIX		
Driver			Windows, Linux, Android OS driver cor	mpatible		
Interface	Cover Open		USB, Bluetooth Micro S/W Type			
Sensor	Paper End		Photo Interrupter			
Dimensions Battery			79.5(W) x 104.4(D) x 37.3(H)mm 7.4V/1,100mAh Rechargeable Li-ion			B(D) x 45,4(H)mm I Rechargeable Li - ion
Weight (including ba	attery)		193.5g/197.5g (with MSR)		299g/303.7g (w	
Emulation	Temperature		EPSON -10°C ~ 40°C			
Operating Condition	Humidity		30% ~ 80%			
	MSR		Triple Track (Bi-directional)			
	MFI & USB Cable Belt Clip & Car Cha	arger	Yes Yes			
Option	Quad Battery Char		Yes No			
	External Battery Cr	adie	Yes	0 Series	No	
Picture						
Submodel			STM-280H/280HN	STM-280V/280VN		STM-281VN
	Dot Pitch		Vertical Direction 0.125mm Horizental Direction 0.125mm			
Printing Format	Character Struct	ure	12(W) × 24(H)mm			
	Character Size Number of Colur	mne	1,5(W) ×3,0(H)mm 32			
	Available Printing		48.0mm			
Printing Speed			Max. 100mm/sec			
Printing Direction			Unidirection with Friction Feed			
Paper Feeding	Feeding Method		Friction Feed (Drop In Type)			
. aper recailing	Minimum Feed F		0.0625mm			
P/Supply Voltage	Power Supply Volt		6V ~ 9.5V			
-	Circuit Input Volt Heat Element De		3.3V, 5V DC±5% 8 dots/mm (0.125mm/dot)			
	Total Number of Head Element		384 dots/line			
TPH	Heat Element Ty Resistance Value		176Ω±4%			
	Available Printing	g Width	48mm			
Line Feed Motor	LUCATE :		PM Type Stepping Motor			
	Head Temperatu		Thermistor			
Sensors	Paper End Sens Printer Cover Op		Reflection Photo Sensor STM-280H: Micro Switch STM-280HN: None	STM-280V: Micro STM-280VN: None		None
	Paper Type		Single-Ply Thermal Paper Roll	CHALL TOO ALL THOU		
Paper Feeding			57.5mm±0.5mm(W)			
. apa. i oodiiig	Paper Size		Max Ø70mm or Less			
	Life		15,000,000 lines			
Reliability	MCBF		37,000,000 lines			
	TPH		1 x 10 ⁸ Pulses / 150Km			
Dimensions			30(W) x 15(H) x 69.5(L)mm			19.7(W) ×31.5(H) ×69.5(L)mm

ECR

RETAIL SOLUTIONS FOR ALL AREAS OF YOUR BUSINESS

Explore the innovative products designed for your retail business that offer outstanding value, results and a better bottom line



Reliable, Easy-to-Use Electronic Cash Register. NR-500 series is a powerful solution suited for a wide range of retail and hospitality operations. This model is convenient to use as it provides the operator a high-visible display and other advance features.

ECR

NR-500 Series

Easy and Intuitive ECR



- Available in Both Retail and Hospitality Versions
- Wide Multi Lines Graphic Display
- 16 Char. x 2 Lines LCD Rear Display
- Electronic Journal Data Keeping Using SD Card
- Easy Data Back up, Restore and Report Polling Using SD, USB, PC
- Data Management and Programming by Ethernet Based PC Utility (Back office)

NR-400/300 Series

Compact and Portable ECR



- Built-in Power Battery
- Space Saving Design for Small Business
- Electronic Journal Data Keeping Using SD Card
- Easy Data Back up, Restore and Report Polling Using SD, USB, PC
- Data Management and Programming by Ethernet Based PC Utility (Back office)

ER-260EJ Series

Affordable and Functional ECR



- Available in Both Retail and Hospitality Versions
- Supports Various Communication Interfaces
- Electronic Journal Data Keeping Using SD Card
- Easy Data Back up, Restore and Report Polling Using SD, USB, PC
- Data Management and Programming by Ethernet Based PC Utility (Back office)

ER-900 Series

Smart Cash Register



- Reliable Hardware and Proven Software
- Various Keyboard Types Suitable for Any Business Environments
- Electronic Journal Data Keeping Using SD Card
- Easy Data Back up, Restore and Report Polling Using SD, USB, PC
- Data Management and Programming by Ethernet Based PC Utility (Back office)

Specification_ECR

Model		NR-500 Series	NR-400 Series
Picture			
Submodel		NR-510/520	NR-420/430
Submodel	Tuno	NR-510:1 Station Thermal (2")	NR-420 : 1 Station Thermal (2")
B	Туре	NR-520 : 2 Station Thermal (2")	NR-430:1 Station Thermal (3")
Printer	Speed Paper Width	70mm/sec (18lines/sec) 57,5mm	57,5mm/80mm
	Paper End Sensor	Yes	37.30000000
	Operator	192 x 64 Graphic LCD with Blue B/L	192 x 64 Graphic LCD with Blue B/L
Disp l ay	Customer	16Char, x2Lines LCD with Blue B/L (Optional) 16Char, x2Lines LCD with Blue B/L	TOE XOT GRAPING EGS WILL BIGG B/E
Keyboard	Flat	90 Keys (Optional)	-
•	Raised	48 Keys	35 Keys
System	CPU Program	32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal)	
Memory	Data	4Mbit SRAM	
Wichinory	Ext. (Opt.)	4Mbit SRAM (Total 8Mbit)	
Fiscal Memory	Data Storage	60 Days 4Mbit OTPROM	
FISCAL INTERPORT	EPROM RS-232C	3 Ports (RJ45 x 2, D—SUB 9Pin x 1)	2 Ports (RJ45 x 2)
	USB	Host: 1 Port (Mass Storage/Scanner)	Host: 1 Port (Mass Storage/Scanner)
Interface		Device: 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps)	Device: 1 Port (PC) (Host/Device Selectable)
	Network GPRS Modem	Built-in (Optional)	
Drawer	Type	Small/Large Available	-
2.01101	Port	1 Port Operator Key, Scanner (Serial/USB), Remote Printer,	1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer,
Peripherals		Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT,	Kitchen Printer, Scale, Pole, PC, EFT,
		SD Card (2 Slots: 1-Internal, 1-External)(SDHC Compatible)	SD Card (2 Slots: 1-Internal, 1-External)(SDHC Compatible)
	Keyboard Departments PLU's	Raised: 12/Flat: 60 1000 (Max.8000)	4 (Max. 8 DEPT, with SHIFT Keys)
	Group	20 (Max,99)	
	Clerk	10 (Max.99)	
	Tax Electronic Journal	VAT, ADD ON, TAX TABLE Yes (SD Card)	
S/W	Euro Currency Conversion	Yes	
	Graphics Logo	Yes	
	Daily and Periodic Reporting Table Management	Yes Yes	
	PLU Descriptors size	24	_
	F/W Update	PC/SD Card	
	PC Utility	Ethernet/Serial/USB	1
Model		NR-300 Series	ER-260EJ Series
			Name of
Picture		6-1m	
		NR-320/330	ER-260EJ/265EJ
	Type	NR-320: 1 Station Thermal (2")	ER-260EJ/265EJ 1 Station Thermal (2")
Submodel	Type Speed	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3")	
Submodel	Type Speed Paper Width	NR-320: 1 Station Thermal (2")	
Submodel	Speed Paper Width Paper End Sensor	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes	
Submodel Printer	Speed Paper Width Paper End Sensor Operator	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L	1 Station Thermal (2")
Submodel Printer Display	Speed Paper Width Paper End Sensor Operator Customer Flat	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard	Speed Paper Width Paper End Sensor Operator Customer Flat Raised	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L - 55 Keys	1 Station Thermal (2") 16Char x 2Lines LCD
Submodel Printer Display Keyboard	Speed Paper Width Paper End Sensor Operator Customer Flat	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard System	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard System	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.)	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM (Total 8Mbit)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard System Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard System Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM (Total 8Mbit) 60 Days 4Mbit OTPROM 2 Ports (R,45 x 2)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional)
Submodel Printer Display Keyboard System Memory Fiscal Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rw-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM (Total 8Mbit) 60 Days 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys
Submodel Printer Display Keyboard System Memory Fiscal Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM (Total 8Mbit) 60 Days 4Mbit OTPROM 2 Ports (RJ45 x2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys
Submodel Printer Display Keyboard System Memory Fiscal Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L - 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Built-in (Optional)	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys 3 Ports (RJ45 x 3) Small/Large Available
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM (Total 8Mbit) 60 Days 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Built-in (Optional) - 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer,	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys 3 Ports (RJ45 x 3) Smal/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer,
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Buill-in (Optional) 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT,	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT,
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PO) (Host/Device Selectable) Ethernet (10/100 Mbps) Built-in (Optional) 7 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible)	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, i-External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 50 Lyas 4 Wass Storage/Scanner) 4 Ports (RJ45 x 2) 4 Host : 1 Port (Nass Storage/Scanner) 5 Device : 1 Port (PO) (Host/Device Selectable) 6 Ethernet (10/100 Mbps) 6 Lithernet (10/100 Mbps) 7 Port, RJ11(24V) 7 Scanner (Serial/USB), Remote Printer, Slip Printer, 8 Kitchen Printer, Scale, Pole, PC, EFT, 8 Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible) 4 (Max, 8 DEPT, with SHIFT Keys) 1000 (Max,8000)	1 Station Thermal (2") 16Char x 2Lines LCD ER- 265 EJ: 49 Keys (Optional) ER- 260 EJ: 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT,
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 28 Byte Flash (CPU Internal) 48 Mbit SRAM 48 Mbit SRAM 49 Mbit SRAM 40 M	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1—Internal, 1—External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L -35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 6D Days 4Mbit OTPROM 2 Ports (Ru45 x2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Built-in (Optional) - 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible) 4 (Max, 8 DEPT, with SHIFT Keys) 1000 (Max,8000) 20 (Max,99)	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1—Internal, 1—External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal	NR-320: 1 Station Thermal (2") NR-330: 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 28 Byte Flash (CPU Internal) 44 Mbit SRAM 44 Mbit SRAM 44 Mbit SRAM 45 SRAM 46 Mbit SRAM 46 Mbit SRAM 47 SRAM 48 STAM 48 STAM 49 STAM 40	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, i-External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, i-External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 28 Byte Flash (CPU Internal) 44 Mbit SRAM 44 Mbit SRAM 45 Mbit SRAM 46 Mbit SRAM 47 Mbit SRAM 47 Mbit SRAM 48 Mbit SRAM 48 Mbit SRAM 48 Mbit SRAM 49 Mbit SRAM 40 Mbit S	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, i-External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting Table Management	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 22MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Buill-in (Optional) 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible) 4 (Max, 8 D EPT, with SHIFT Keys) 1000 (Max,8000) 20 (Max,99) VAT, ADD ON, TAX TABLE Yes (SD Card) Yes Yes	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ : 49 Keys (Optional) ER - 260 EJ : 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, i-External)(SDHC Compatible)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting Table Management PULU Descriptors size	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 16Char x 2Lines LCD with Blue B/L 35 Keys 32bit (Rx-631, Renesas) 2MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM (Total 8Mbit) 60 Days 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PO) (Host/Device Selectable) Ethernet (10/100 Mbps) Buill-in (Optional) 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible) 4 (Max, 8 DEPT, with SHIFT Keys) 1000 (Max,8000) 20 (Max,99) 10 (Max,99) 10 (Max,99) Ves Ves Yes	1 Station Thermal (2") 16Char x 2Lines LCD ER-265 EJ: 49 Keys (Optional) ER-260 EJ: 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Stots: 1-Internal, 1-External)(SDHC Compatible) 15
Picture Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting Table Management	NR-320 : 1 Station Thermal (2") NR-330 : 1 Station Thermal (3") 70mm/sec (18lines/sec) 57.5mm Yes 16Char x 2Lines LCD with Blue B/L 25 Keys 32bit (Rx-631, Renesas) 22MByte Flash (CPU Internal) 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit SRAM 4Mbit OTPROM 2 Ports (RJ45 x 2) Host : 1 Port (Mass Storage/Scanner) Device : 1 Port (PC) (Host/Device Selectable) Ethernet (10/100 Mbps) Buill-in (Optional) 1 Port, RJ11(24V) Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Slots : 1-Internal, 1-External)(SDHC Compatible) 4 (Max, 8 D EPT, with SHIFT Keys) 1000 (Max,8000) 20 (Max,99) VAT, ADD ON, TAX TABLE Yes (SD Card) Yes Yes	1 Station Thermal (2") 16Char x 2Lines LCD ER - 265 EJ: 49 Keys (Optional) ER - 260 EJ: 49 Keys 3 Ports (RJ45 x 3) Small/Large Available 1 Port Operator Key, Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, SD Card (2 Stots: 1-Internal, 1-External)(SDHC Compatible) 15

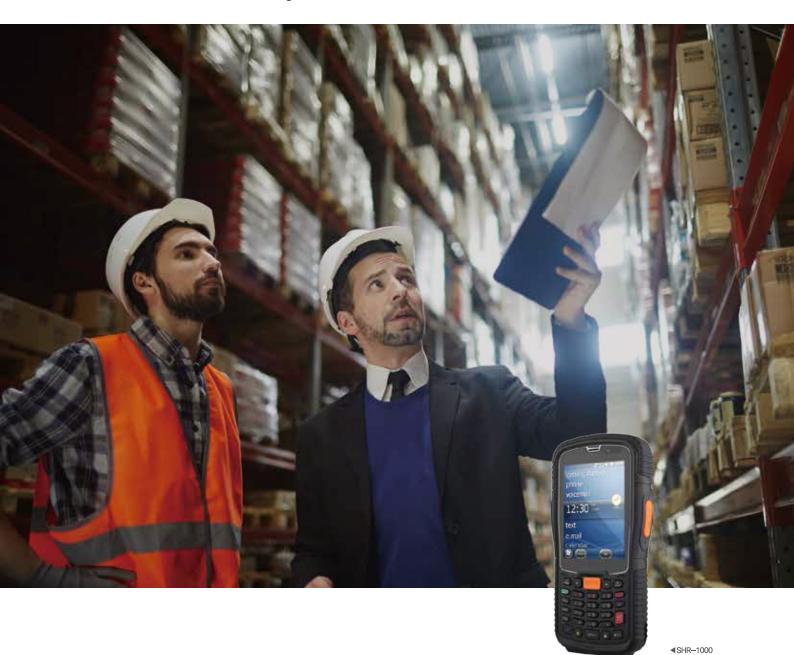
Specification_ECR

Model		ER-230EJ	ER-180U
Picture			
Submodel	Turno	ER-230EJ 1 Station Thermal (2")	ER-180U
	Type Speed	70mm/sec (18lines/sec)	65mm/sec (17.3lines/sec)
Printer	Paper Width Paper End Sensor	57.5mm Yes	
Display	Operator Customer	16Char. x 2Lines LCD with Blue B/L 16Char. x 2Lines LCD	8 Digits LED 8 Digits LED (Optional)
Keyboard	Flat	_	
System	Raised CPU	40 Keys with Cap 32bit (Rx-631, Renesas)	48 Keys 32bit (LPC1519, NXP)
	Program	2MByte Flash (CPU Internal)	256KByte Flash (CPU Internal)
Memory	Data Ext. (Opt.)	4Mbit SRAM 4Mbit SRAM (Total 8Mbit)	96KByte Serial-EEPROM
Finant Mamon	Data Storage	60 Days 4Mbit OTPROM	90 Days
Fiscal Memory	EPROM RS-232C	2 Ports (RJ45 x 2)	Use only firmware update
Interface	USB	Host: 1 Port (Mass Storage/Scanner) Device: 1 Port (PC) (Host/Device Selectable)	_
	Network	Ethernet (10/100 Mbps)	-
Decues	GPRS Modem Type	Built-in (Optional) 3B4C, 4B4C	-
Drawer	Port	1 Port, RJ11(24V)	1 Port
Peripherals		Scanner (Serial/USB), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT,	=
	Keyboard Departments	SD Card (2 Slots: 1-Internal, 1-External)(SDHC Compatible) 12	16
	PLU's	1000 (Max,8000)	500
	Group Clerk	20 (Max.99) 10 (Max.99)	10
	Tax	VAT, ADD ON, TAX TABLE	4
	Electronic Journal Euro Currency Conversion	Yes (SD Card) Yes	Yes
S/W	Graphics Logo	Yes	-
	Daily and Periodic Reporting Table Management	Yes —	
	PLU Descriptors size F/W Update	24 PC/SD Card	12 PC
	PC Utility	Ethernet/Serial/USB	=
Model		SPS-300 Series	ER-900 Series
		e-3	Alls
Picture			
Picture			
Picture			
		SPS-320/325/340/345 SDS-320/225:14 Ording Thermal (2 th)	ER-920/925/940/945
	Туре	SPS-320/325/340/345 SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2")	ER-920/925/940/945 ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2")
	Speed	SPS-320/325:1 Station Thermal (2") SPS-340/345:2 Station Thermal (2") 85mm/sec (22lines/sec)	ER-920/925: 1 Station Thermal (2")
Submodel	Speed Paper Width Paper End Sensor	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2")
Submodel	Speed Paper Width Paper End Sensor Operator	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x2Lines LCD with Blue B/L
Submodel Printer	Speed Paper Width Paper End Sensor Operator Customer Flat	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys
Submodel Printer Display Keyboard	Speed Paper Width Paper End Sensor Operator Customer	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S5mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x2Lines LCD with Blue B/L	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, ×2Lines LCD with Blue B/L 16Char, ×2Lines LCD
Submodel Printer Display Keyboard System	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes 192 x64 Graphic LCD with Blue B/L 16Char, x2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys
Submodel Printer Display Keyboard	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.)	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S8mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/345 : 63 or 91 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default)	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys
Submodel Printer Display Keyboard System Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) - 90 Days	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys
Submodel Printer Display Keyboard System Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) — 90 Days 2Mbit 3 Ports	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, × 2Lines LCD with Blue B/L 16Char, × 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys
Submodel Printer Display Keyboard System Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") 85mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) - 90 Days 2Mbit 3 Ports 1 Port (PC)	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, × 2Lines LCD with Blue B/L 16Char, × 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys
Submodel Printer Display Keyboard System Memory Fiscal Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x64 Graphic LCD with Blue B/L 16Char, x2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets)	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-326/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) 5B5C, 4B8C 2 Port	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S8mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) — 5B5C, 4B8C 2 Port MSR, Operator Key, Scanner (Serial), Remote Printer,	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-326/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) IRC 1 Port (Max, 16 sets) SIBP C 1 Serial), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External)	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbits SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) — 5BSC, 4B8C 2 Port MSR, Operator Key, Scanner (Serial), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External) 28/63/100	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group	SPS-320/325 : 1 Station Thermal (2")	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S5mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x2Lines LCD with Blue B/L 16Char, x2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) — 5B5C, 4B8C 2 Port MSR, Operator Key, Scanner (Seriat), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External) 28/63/100 2000 (Max, 20,000)	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbits SRAM (Default) 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) IRC 1 Port (Max, 16 sets) SIBP Frinter, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1—External) 28/63/100 2000 (Max, 20,000) 200 (Max, 99) 10 (Max, 99) VAT, ADD ON, TAX TABLE	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S5mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) - 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) - SB5C, 488C 2 Port MSR, Operator Key, Scanner (Serial), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External) 28/63/100 2000 (Max, 20,000) 20 (Max, 99) 10 (Max, 99) 10 (Max, 99) VAT, ADD ON, TAX TABLE Yes	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S5mm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbits RRAM (Default) 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) SB5C, 4B8C 2 Port MSR, Operator Key, Scanner (Seriat), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External) 28/63/100 2000 (Max,20,000) 200 (Max,99) 10 (Max,99) VAT, ADD ON, TAX TABLE Yes Yes	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting Table Management PLU Descriptors size	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SSmm/sec (22lines/sec) 57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbit SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) — 5B5C, 4B8C 2 Port MSR, Operator Key, Scanner (Serial), Remote Printer, Stip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1—External) 28/63/100 2000 (Max, 20,000) 20 (Max, 99) 10 (Max, 99) 10 (Max, 99) 10 (Max, 99) VAT, ADD ON, TAX TABLE Yes Yes Yes	ER-920/925 : 1 Station Thermal (2") ER-940/945 : 2 Station Thermal (2") 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)
Submodel Printer Display Keyboard System Memory Fiscal Memory Interface Drawer Peripherals	Speed Paper Width Paper End Sensor Operator Customer Flat Raised CPU Program Data Ext. (Opt.) Data Storage EPROM RS-232C USB Network GPRS Modem Type Port Keyboard Departments PLU's Group Clerk Tax Electronic Journal Euro Currency Conversion Graphics Logo Daily and Periodic Reporting Table Management	SPS-320/325 : 1 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") SPS-340/345 : 2 Station Thermal (2") S57.5mm Yes 192 x 64 Graphic LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD with Blue B/L SPS-320/340 : 150 Keys SPS-325/345 : 63 or 91 Keys ARM7(LPC2470, NXP) 16Mbits Flash 16Mbits SRAM (Default) — 90 Days 2Mbit 3 Ports 1 Port (PC) IRC 1 Port (Max, 16 sets) — 5B5C, 4B8C 2 Port MSR, Operator Key, Scanner (Serial), Remote Printer, Slip Printer, Kitchen Printer, Scale, Pole, PC, EFT, Kitchen Video, SD Card (1 Slot: 1-External) 28/63/100 2000 (Max,20,000) 20 (Max,99) VAT, ADD ON, TAX TABLE Yes Yes Yes	ER-920/925 : 1 Station Thermal (2*) ER-940/945 : 2 Station Thermal (2*) 16Char, x 2Lines LCD with Blue B/L 16Char, x 2Lines LCD ER-920/940 : 150 Keys ER-925/945 : 63 or 91 Keys 4Mbit SRAM 16Mbit SRAM (Total 16Mbit)

Industrial PDA

ACCURATE, EFFICIENT & COST-EFFECTIVE

Improve your operational efficiency while reducing costs with SAM4S line of innovative and reliable logistics solutions



SHR-1000 is a feature rich extremely rugged (IP67 & 2.0m drop test) handheld computer. Ideally suited for logistics, merchandising, pre-sales and field sales/service organisations. Its integrated scanner, camera and flash, GPS and phone eliminate the need for users having to carry multiple devices.

Industrial PDA

SHM-1000

Intergrated Printer, Powerful MPOS Terminal



- Integrated 2" Thermal Printer
- EMV Level 1&2
 NFC (ISO18092)
 RFID (ISO14443)
- Contactless Payment Terminal (Europay, Master and Visa Card Certified)
- Windows CE 5.0

SHM-200

Android All-in-One Mobile Computer



- Qualcomm Snapdragon Quad Core 1,2GHz
- Android 4.1.2 Jelly Bean
- Integrated 2" Thermal Printer
- 4" IPS LCD, Super Sensitive Touch Screen
- Biometric Support (Finger Print Reader)

SHR-1000

Fully Rugged Handheld Computer



- IP67 Sealing 2m Drop Tolerance MIL-STD 810G
- Cortex A8 1GHz CPU
- Powerful Battery Capacity (6,600mAh incl. 2,200mAh Gun Battery)
- Numeric and QWERTY Keypad

SHR-200

Android Multi-Purpose Handheld Computer



- Qualcomm Snapdragon Quad Core 1.2GHz
- Light and Compact Design
- Android 4.1.2 Jelly Bean
- IP65 Sealing 1.2m Drop Tolerance
- 3.7" IPS LCD with Corning Gorilla Glass

Specification_Industrial PDA

Picture	SHM-1000	SHM-770	00	SHM-200
		ADM44 COOM II		
	ARM11 800MHz	ARM11 800MHz		Qualcomm Quad Core 1.2GHz
	Windows Embedded Handheld 6.5 Windows CE, NET 5.0			Android 4.1.2
	1GB Flash ROM	512MB/1GB Flash RC	OM	4GB Flash ROM
	256MB RAM	128MB/256MB RAM		1GB RAM
	3.5" QVGA (320×240) TFT Resistive Touch Screen			4.0" WVGA (800×480) IPS 5-Point Capacitive Multi Touch Screen
Keypad	Numeric			·
Communications -	IEEE 802,11a/b/g/n GSM/GPRS/EDGE/WCDMA/HSDPA	Bluetooth 2.0 Class 2		IEEE 802,11 b/g/n GSM/GPRS/EDGE/WCDMA/HSPA CDMA2000/CDMA 1X Bluetooth 4,0 + EDR CDD (HSVested CIPE A CDD)
	GPS (Integrated SiRF Star 4) 2" Thermal Printer	GPS (Integrated SiRF	olar oj	GPS (Integrated SiRF A-GPS)
MSR -	Triple Track (Bi-directional)			
	IC Card reader with 4 SAM, EMV Level I & II Certified, ISO7816			IC Card reader with 1 SAM, ISO7816
	ISO18092 (NFC), ISO14443 A/B	ISO14443 A/B		10.
	1D Laser Class II or 2D CMOS Imager (Optional : 5,0M Pixels Auto Focus with Flash LED	HD)		1D Laser Class II or 2D CMOS Imager
	Speaker	Speaker, Earmicropho Microphone	one Jack,	Speaker, Receiver, Microphone, Vibrator, Mini USB Headphone
	Micro SD Card slot	WIICIOPHONE		
Cradle I	7.4V/2,600mAh Rechargeable Li-ion USB Host(A type) or Ethernet(RJ45), Client(Mini B) RS-232C 9Pin, DC Jack,	7.4V/2,000mAh Rech USB Host/Client (Mini RS-232C 9Pin, DC Ja	B/Standard B)	7.4V/3,000mAh Li-Polymer None
	Battery Charging Slot $-10~^{\circ}\text{C} \sim 50~^{\circ}\text{C}$	Battery Charging Slot		-20 °C ~ 60 °C
Storage Temperature -	-20 °C ~60 °C			-40 °C ~80 °C
	95%			90%
	Stands 1.2 meter Drop to Steel 112(W) x 244(H) x 64.2(D)mm	82,24(W) x 216,2(H) x	59.2(D)mm	Stands 1.2 meter Drop Test 89 (min.73)(W) x 226(H) x 54(min.31)(D)mm
	636g	512g	, ,	620g
	Contact EMV L1 & L2 Contactless EMV L1 & L2,			-
	Master PayPass & Visa Wave	_		
Additional Feature -	_	Security: PCI-PTS 2.>	<	Finger Print Reader (508dpi, 14.4 x 10.4 mm)
Model	SHR-1000			SHR-200
Picture				
CPU	Cortex-A8 1GHz		Qualcomm Quad	Core 1,2GHz
OS	Windows Embedded Handheld 6.5 1GB Flash ROM		Android 4.1.2 4GB Flash ROM	
Memory	256MB DRAM		1GB RAM	
Display	3.5" VGA (640×480) TFT Resistive Touch Screen		3.7" WVGA (800×480) IPS 5-Point Capacitive Multi Touch Screen Corning Gorilla Glass	
Vounad	Numeric, Qwerty IEEE 802.11a/b/g/n		Numeric IEEE 802,11a/b/g COM/CODE/EDGE ANCOMA/LICEA	
Keypad	GSM/GPRS/EDGE/UMTS/HSPA+ Bluetooth 2.1 +EDR		GSM/GPRS/EDGE/WCDMA/HSPA CDMA2000/CDMA 1X Bluetooth 4.0 + EDC	
Communications	Bluetooth 2.1 + EDR			
•			Bluetooth 4.0 + E GPS(Integrated A	
Communications RFID Scanner	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager		GPS(Integrated A	-GPS)
Communications RFID Scanner Camera	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693			-GPS)
Communications RFID Scanner	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot		GPS(Integrated A	-GPS) Focus
Communications RFID Scanner Camera Audio	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3.7V/4.400mAh Rechargeable Li-ion (Gun: 3,7V/2,200mAh Rechargeable Li-ion	n)	GPS(Integrated A 5.0M Pixels Auto 3.7V/3,600mAh I (Backup:3.7V/1	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer)
Communications RFID Scanner Camera Audio Expansion Battery Cradle	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3,7V/4,400mAh Rechargeable Li-ion (Gun:3,7V/2,200mAh Rechargeable Li-ic USB Host (Standard B)/Client (Mini B) RS-232C 9Pin, DC Jack Battery Charging Slot	in)	GPS(Integrated A 5.0M Pixels Auto 3.7V/3.600mAh I (Backup:3.7V/1 USB/OTG port (N DC Jack Battery Charging	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer) ilicro USB)
Communications RFID Scanner Camera Audio Expansion Battery Cradle Operation Temperature	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3,7V/4,400mAh Rechargeable Li-ion (Gun:3,7V/2,200mAh Rechargeable Li-io USB Host (Standard B)/Client (Mini B) RS-232C 9Pin, DC Jack Battery Charging Slot -20 °C ~50 °C	in)	GPS(Integrated A 5,0M Pixels Auto 3,7V/3,600mAh I (Backup:3,7V/1 USB/OTG port (M DC Jack Battlery Charging -20 °C ~60 °C	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer) ilicro USB)
Communications RFID Scanner Camera Audio Expansion Battery Cradle	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3,7V/4,400mAh Rechargeable Li-ion (Gun:3,7V/2,200mAh Rechargeable Li-ic USB Host (Standard B)/Client (Mini B) RS-232C 9Pin, DC Jack Battery Charging Slot	in)	GPS(Integrated A 5.0M Pixels Auto 3.7V/3.600mAh I (Backup:3.7V/1 USB/OTG port (N DC Jack Battery Charging	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer) ilicro USB)
Communications RFID Scanner Camera Audio Expansion Battery Cradle Operation Temperature Storage Temperature	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3,7V/4,400mAh Rechargeable Li-ion (Gun : 3,7V/2,200mAh Rechargeable Li-io USB Host (Standard B)/Client (Mini B) RS-232C 9Pin, DC Jack Battery Charging Slot -20 °C ~50 °C -40 °C ~70 °C 95% Stands 2,0m drop to steel MIL-STD-810G, Method 516.6	in)	GPS(Integrated A 5.0M Pixels Auto 3.7V/3.600mAh I (Backup:3.7V/1 USB/OTG port (N DC Jack Battery Charging -20 °C ~60 °C -40 °C ~80 °C	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer) dicro USB) Slot
Communications RFID Scanner Camera Audio Expansion Battery Cradle Operation Temperature Storage Temperature Humidity	Bluetooth 2.1 + EDR S-GPS (GPS + Glonass)/A-GPS ISO14443 A/B, ISO15693 1D Laser Class II or 2D CMOS Imager 5,0M Pixels Auto Focus with Flash LED Speaker, Receiver, Microphone, Vibrater Micro SD Card slot 3,7V/4,400mAh Rechargeable Li-ion (Gun : 3,7V/2,200mAh Rechargeable Li-ion USB Host (Standard B)/Client (Mini B) RS-232C 9Pin, DC Jack Battery Charging Slot -20 °C ~50 °C -40 °C ~70 °C 95% Stands 2,0m drop to steel	in)	GPS(Integrated A 5,0M Pixels Auto 3,7V/3,600mAh I (Backup:3,7V/1 USB/OTG port (N DC Jack Battery Charging -20 °C ~60 °C -40 °C ~80 °C 95%	-GPS) Focus Rechargeable Li-Polymer 50mAh Rechargeable Li-Polymer) dicro USB) Slot

EFT POS Terminal

TAKE ADVANTAGE OF OUTSTANDING, FLEXIBLE AND RELIABLE RETAIL SOLUTIONS

Stay competitive with technology that can drive your business forward. SAM4S retail solutions support customer engagement, increased sales, and more efficient cost management to help retail enterprises exceed their vision



SHC-550 is an EFT POS terminal with 3" intergrated printer. SHC-550 features a 4.3" color LCD, more vivid and wider than our prior model. In addition, its distinctive and elegant design and compact size sets it apart from competitive products.

EFT POS Terminal

SKY

Mobile Payment Terminal



- Compact Size Light Weight
- Integrated 2" Thermal Printer with 2.4" Color LCD
- MSR and Smart Card Reader (EMV Level 1&2)
- Long Life Battery: 7.4V, 2,600mAh
- WCDMA(3G), 1-SIM

SHC-550

The Next Generation EFT POS Terminal



- Integrated 3" Thermal Printer
- High Speed Printing 230mm/sec
- Large Internal Memory (256Mbyte)
- User-Friendly Interface with Full Color Display
- Jam Free Auto Cutter
- MSR and Smart Card Reader (EMV Level 1&2)

SHC-350

Color Display EFT POS Terminal



- Integrated 3" Thermal Printer
- User-Friendly Interface with Full Color Display
- Faster Speed 200mm/sec
- Jam Free Auto Cutter
- MSR and Smart Card Reader (EMV Level 1&2)

SHC-320 / 210

Simple EFT POS Terminal



- Simple Design with Compact Size
- Integrated 2"/3" Thermal Printer
- Faster Speed 200mm/sec (SHC-320)
- Jam Free Auto Cutter
- MSR and Smart Card Reader (EMV Level 1&2)
- Various Interfaces

EFT POS Terminal

Signature Pad

Sophisticated Slim Cover with a Sheen



SSP-1100



SSP-2000



• Graphic LCD Touch Screen, 128 x 64

- Provides Smooth Drawing
- Integrated Key Pad (SSP-2000)
- Integrated MSR and Smart Card Reader EMV Level 1&2 (SSP-3000)

Specification_EFT POS Terminal

Model			SKY	SHC Series	
Picture					
Submodel			SKY	SHC-550	
	CPU		AT91SAM9G35, 400MHz	SAMA4D25, 500MHz	
	OS		Embedded Linux (2.6.x)	Embedded Linux (4.4.x)	
		Flash ROM	128Mbytes	256Mbytes	
	Memory	SDRAM	128Mbytes		
Main	MSR		ISO7811 Standard, 2/3 Track		
IVIAIIT	Display		2.4" (320 x 240) TFT Color LCD	4.3" (480 x 272) TFT Color LCD	
	Printer	Printing Method	2" Thermal	3" Thermal with Auto Cutter	
	Printer	Printing Speed	Max. 90mm/sec	Max. 230mm/sec	
	Modern		WCDMA(3G), 1-SIM	ISO Modem (56Kbps)	
	Key Pad		20 Keys (Alpha/Num x 12, Function x 8)	23 Keys (Alpha/Num x 12, Function x 11)	
Smart Card	Smart Car	d d	EMV Level 1 & 2 Certified, ISO7816		
Smart Caru	Sam Sock	et	2-SAM	4-SAM	
	Serial		-	3 Ports	
	USB		1 Port (Type mini-B)	1 Port (Type A)	
Interface	Ethenet		-	1 Port	
	Telephone	9	_	2 Ports	
	Drawer		-	1 Port	
Dimensions			81(W) x 171(D) x 41(H)mm	136(W) x 230(D) x 122(H)mm	
Power Supp	ly		Battery 7.4V/2600mAh, DC 9V/1.5A	DC 24V/2 <u>.</u> 5A	

Specification_EFT POS Terminal

Model				SHC Series		
Picture						
Submodel			SHC-350	SHC-320	SHC-210	
	CPU		AT91SAM9G35, 400MHz		·	
	OS		Embedded Linux (2.6.x)			
		Flash ROM	128Mbytes			
	Memory	SDRAM	128Mbytes			
	MSR		ISO7811 Standard, 2/3 Track			
Main	Display		4.3" (480 x 272) TFT Color LCD	128 x 96 Graphic LCD	128 x 64 Graphic LCD	
		Printing Method	3" Thermal with Auto Cutter		2" Thermal	
	Printer	Printing Speed	Max. 200mm/sec		Max. 100mm/sec	
	Modern		ISO Modem (56Kbps)			
	Key Pad		23 Keys (Alpha/Num x 12, Function x 11)			
Smart Card	Smart Ca	rd	EMV Level I & II Certified, ISO7816			
Smart Card	Sam Soci	ket	4-SAM			
	Serial		4 Ports	3 Ports		
	USB		1 Port (Type A)		-	
	Ethenet		1 Port		'	
Interface	Telephon	e	2 Ports			
	Drawer		1 Port		-	
Dimensions			136(W) x 216(D) x 118(H)mm	137(W) x 217(D) x 111(H)mm	113.5(W) x 181(D) x 82.5(H)mm	
Power Supp	oly		DC 24V/2.5A			

Specification_Signature Pad

Model		Signature Pad			
Picture					
Submodel		SSP-1100	SSP-2000	SSP-3000	
	CPU	32Bits ARM Processor (Cortex M3)	Cortex-M4		
	Touch Panel	4-Wire Resistive touch screen			
	Display	128 x 64 Graphic Touch LCD			
Main	Key Pad	-	14 Keys (Alpha/Num x 11, Function x 3)	-	
	MSR	-		ISO7811 Standard, 2/3 Track	
	USB	Yes (Optional)			
	Smart Card	-		EMV Level I & II Certified, ISO7816	
Smart Card	Sam Socket	_	_		
Interface	Serial	RS-232 x2 Ports			
interiace	USB	Yes (Optional)			
Dimensions		75(W) x 131(D) x 29(H)mm	98(W) x 145(D) x 44(H)mm	120(W) x 106(D) x 59(H)mm	
Power Supply		DC 5V/2A			

Peripherals

SCD-150	SCD-100
15" Rear Display	9.7" Rear Display/9.7" Pole Display
QCD-L7	QCD-V202
7" Rear Display	VFD Rear Display
	South
SPM-T15	QPD-ML700
15" Touch Monitor	7" Pole Display

Peripherals

QPD-ML162S	QPD-LV202
2 Lines Character LCD	VFD Pole Display
	Service and described and a service and a se
ELLIXBLUE	H-Drawer
Bluetooth Dongle	POS Drawer
G-Drawer	Bplus-Drawer
Large Size Drawer	Small Size Drawer

Specification_Peripherals

Picture					
Submodel		SCD-150	SPM-T15		
TFT-LCD	Size of LCD Panel	15" LED LCD			
II I LOD	Resolution	1024×768			
	Туре	5W Resistive Touch (Optional) PCAP Touch (Optional)	5W Resistive Touch PCAP Touch (Optional)		
	Transparency	-	81%		
Touch Panel	Touch Life	-	36 Million Times		
	os	_	POSReady 7 Windows 7, 8.1, 10 Windows 10 IoT		
	Type	_	60W External Adapter		
Power	Input Voltage	_	AC 100V~240V, 50/60Hz		
	Output Voltage Current	_	DC 12V/5A		
	Input Signal	Analog RGB			
Interface	Video Input Signal Connector	D-SUB 15Pin VGA Type			
	OSD Control Function	-			
	Regulations Approved	CE/FCC/RoHS			
Enviroment	Temperature	0°C ~ 40°C			
	Humidity	10% ~ 80%			

Model		9.7" Rear Display	9.7" Pole Display	
Picture				
Submodel		SCD-100	SCD-100 Pole Type	
TFT-LCD	Size of LCD Panel	9.7" LED LCD		
IFI-LCD	Resolution	1024×768		
	Display	246(W) x 197(D) x 115(H)mm		
Measurement	Stand	-	200(W) x 128(D) x 28(H)mm	
	Height	_	450mm ∼ 550mm	
Interface	Input Signal	Analog RGB		
Video Input Signal Connector		D-SUB 15Pin Cable		
Power	Input Voltage	12V/1A, 50/60Hz ± 3Hz	7.5V/2.5A, 50/60Hz ± 3Hz	
Enviroment	Temperature	10°C ~ 40°C		
Liviloinent	Humidity	10% ~ 80%		

Specification_Peripherals

Model		7" Rear Display	7" Pole Display		
Picture					
Submodel		QCD-L7	QPD-ML700		
TFT-LCD	Size of LCD Panel	7" LCD	7" LCD		
IFI-LCD	Resolution	800 x 480	800 x 480		
	Serial	_	RS-232C (RJ45/D-SUB 9Pin)		
	USB	-	USB (Virtual COM)		
Interface	Ethernet	_	10/100 base-T (Optional)		
	Wi-Fi	-	IEEE 802.11b/g (Optional)		
	VGA	D-SUB 15Pin Cable	-		
Input Signal		Analog RGB	Serial/USB/Ethernet/Wi-Fi		
_	Type	_	External Adaptor		
Power	Output Voltage/Current	_	DC 7.5V/2.5A		
Storage	NAND Flash	_	512MByte		
1	Format	-	ECR: JPEG, BMP, PNG, TGA POS: JPEG, BMP, GIF, PNG, TGA		
Image	Download	-	USB Memory, PC (Serial, USB, Ethernet, Wi-Fi)		
	Mode	_	4 Type Windows Mode		
Command	Type	_	ESC/POS		
	Pivot Function	_	YES		
Othor	VESA	_	YES		
Other	Utility	-	Image & F/W Download		
	Driver	-	YES		

Model		VFD Rear Display	VFD Pole Display	2 Lines Character LCD	
Picture			STORY ARRANGE.	I	
Submodel		QCD-V202	QPD-V202	QPD-ML1625	
	Type	VFD	VFD		
Display	Font	_	-		
	Format	20 Columns x 20 Lines	20 Columns x 20 Lines		
Interface	Serial	RS-232C (RJ45)	RS-232C (RJ45/D-SUB 9Pin)		
Interface	USB	_	USB (Virtual COM)	-	
Emulation			CD5220/ DSP800/ EPSON ESC / POS/ ADM788 / ADM787 / AEDEX / UTC-S / UTC-E / ICD2002		
Power	Output Voltage	DC 12V	DC 7V~12V		
rower	Consumption	4.5W (Max)	4.5W (Max)		
Tilt Angle		0℃ ~ 40℃	0°C ~ 40°C		
Swivel Angle		_	350°	_	

Specification_Peripherals

Model			CASH DRAWER		
Picture					
Submodel			H-Drawer	G-Drawer	Bplus-Drawer
Color			White / Black	<u>'</u>	<u>'</u>
Dimension	S		420(W) x 400(D) x 112(H) mm	400(W) x 450(D) x 112(H) mm	325(W) x 420(D) x 95(H) mm
Housing	Top Material		Steel	·	'
Housing	Bottom Material		Steel		Plastic
	Till Material		Steel	Steel	Plastic
	Sliding Type		Plastic-Roller		
	Media Slot		2 Slots, Height: 10mm		
Tray	Lock Key		2 Position ① On-Line ② Closed		
	LOCK NCY		3 Position (4 Function) Option ① On-Line ② Closed ③ Locked Open ④ Manual Open		3 Position Key Option ① On-Line ② Closed ③ Manual Open
		Width	72 (5B5C)	87 (4B8C) / 67 (5B5C)	89 (3B4C) / 67 (4B4C)
	Bill Till Size (mm)	Depth	180		
		Height	48	51 (4B8C) / 48 (5B5C)	45
		Width	71 (5B5C)	78 (4B8C) / 68 (5B5C)	62
	Coin Till Size (mm)	Depth	97 (5B5C)	67 (4B8C) / 98 (5B5C)	84
Bill Coin		Height	48 (5B5C)	39 (4B8C) / 48 (5B5C)	39
	Coin Box Separation		NO	YES (4B8C) / NO (5B5C)	YES
	Coin Partition Separat	ion	YES		
	Bill Partition Separatio	n	YES		
	Lever Press	Standard	Plastic		
	Level Fless	Option	Steel		
Ontina	Compulsory		YES		
Option	Latch		2 Latch		
Interface		RJ11			
Locking Li	d		Yes (Optional)		_
Power Inpu	ut (Solenoid)		12V/24V	7V/12V/24V	
Life			1,000,000 Cycle		300,000 Cycle
Weight (kg	1)		6.7		3.1

Model		Bluetooth Dongle (ELLIXBLUE Series)				
Picture	Be	Te .	ELLETOOTH :			
Submodel	BT-DG_F	BT-DG_M	BT-IF			
Use	Master Device (POS, PC, ECR or Various Terminal Device)	Slave Device (Printer, Scanner, Scale or Various Preipheral Device)	Slave Device (ELLIX Printer)			
Bluetooth Version	V2.0 + EDR Certification					
Frequency	Up to 18dBm Typical					
Rx. Sensitivity	-88 dBm Typical					
Coverage	Up to 100 Meters (Open Space)					
Antenna	Dongle Type: Chip Antenna (Gain: Max 1,5dBi) Interface Card Type: Cable Antenna (Gain: Max 2,0dBi)					
Power Supply	DC5V 80mA USB: USB BUS POWER RS-232C: D-SUB 9Pin DC 5V Adapter					
Profile	SPP (Serial Port Profile)					
Interface Support	RS-232C USB V1.1 (Virtual COM Profile)					
Flow Control	RTS/CTS					
Baud Rate	1.2/2.4/4.8/9.6/19.6/38.4/57.6/115.2 Kbps					





