

PRODUCT CATALOG

SAM4S



 SUBSCRIBE



POS Terminal

Style added on performance full range of POS solution



POS Solution

Android POS solution SAM4POS



POS Printer

Provides fast and excellent quality printing user-friendly interface



KIOSK

Luxurious design and compact size easy and quick installation



ECR

15% global market share best partner for fiscal project



Industrial PDA

Right choice for use in harsh environment



EFT POS Terminal

Compact and unique design accurate and secure card recognition



Peripherals

Supports various peripherals to meet your needs

SHC Shinheung Precision

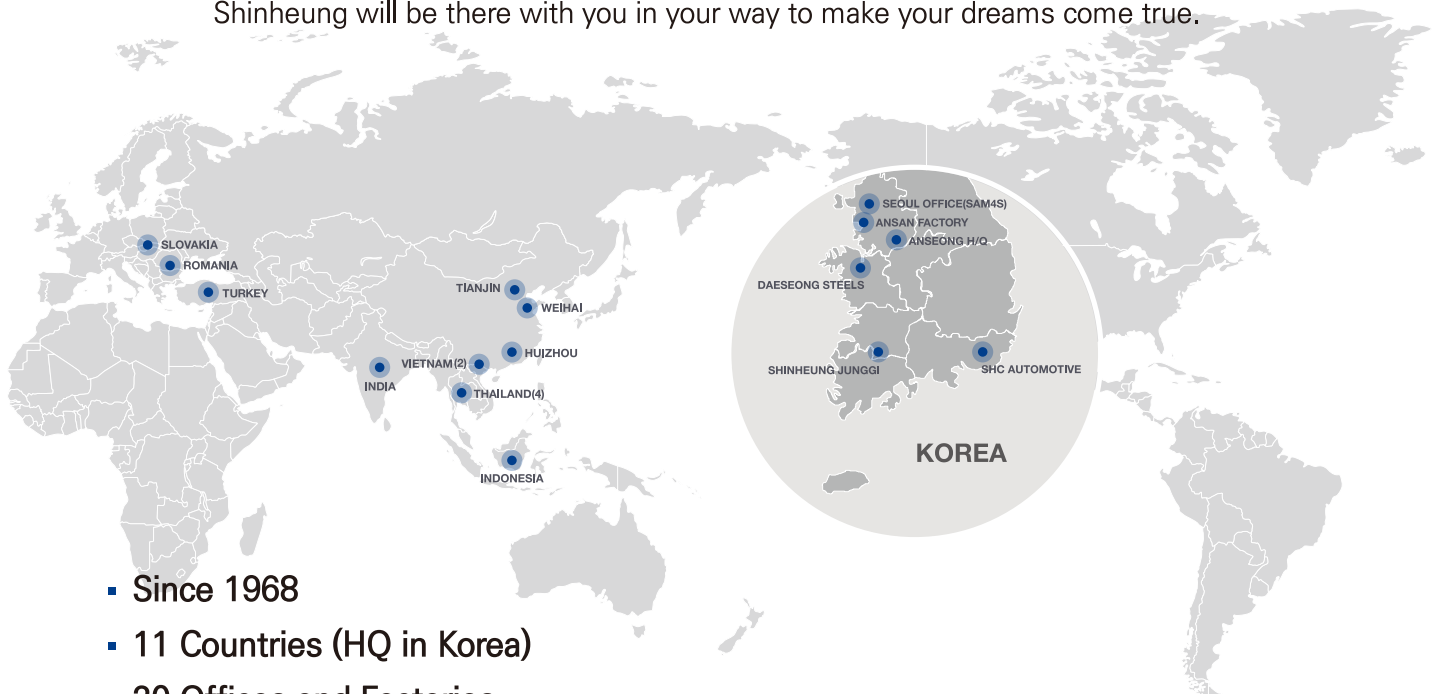
SHINHEUNG PRECISION CORPORATION HAS MADE ENDLESS EFFORTS TO ACHIEVE SUSTAINABLE BUSINESS INNOVATION, TECHNOLOGICAL ADVANCEMENT, AND HUMAN RESOURCES DEVELOPMENT

“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 CUSTOMER' 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.



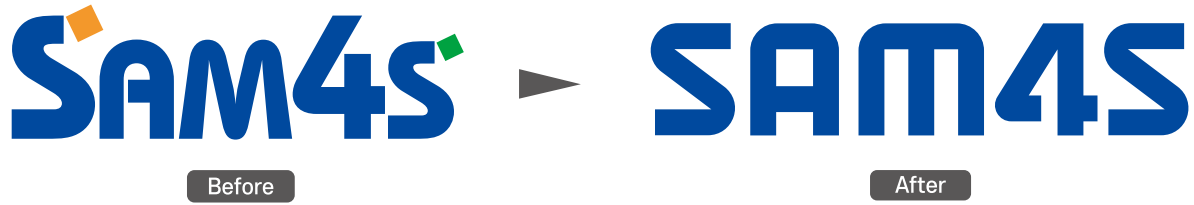
- Since 1968
- 11 Countries (HQ in Korea)
- 20 Offices and Factories
- Over 9,000 Employees
- \$ 1.0 Billion
- www.shc.co.kr

Main Partners



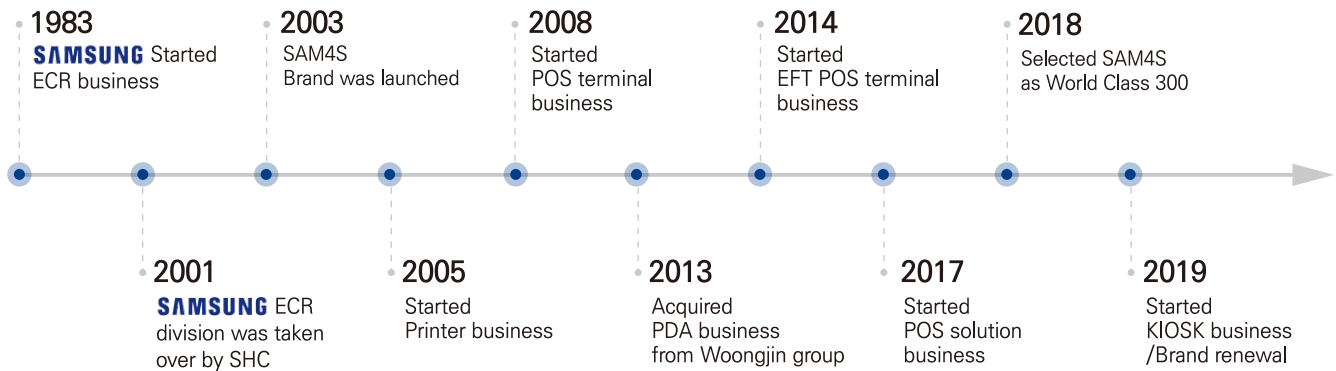
About SAM4S Logo

In 2019, SAM4S Logo has Changed



Until you can proudly nominate us as your best partner, SAM4S will be there with you. In 2019, to prove our commitment to our partners, we have changed the definition of our SAM4S brand to 'Store Automation Manager for Success'. We pray that each and every one of our partners will be successful with our products and we will continue to give our full cooperation and support for you to achieve it. Until you can proudly nominate us as your best partner, SAM4S will be there with you.

Timeline



Why SAM4S?

Complete System Supplier	Experienced R&D Team	Annual Production	Trusted Partners
			
100+	30 Years+	500,000	60/80
Number of SAM4S product model for POS, PDA, Printer, ECR, EFT POS terminal, KIOSK and Peripheral	Over 30 years of experience for retail, hospitality automation	Annual production in SAM4S we have own production system from model making to assembling	60 Countries/80 Partners good business relationship with partners



FORZA

Be Flexible with You!



Customer Display



Color Variation & Installation Type



Specification

Model		FORZA-11x	FORZA-13x	FORZA-15x
System	CPU	4th Celeron J1900	7th Core i3 7100U	7th Core i5 7200U
	Storage	2.5" HDD 500GB 2.5" SSD 256GB/128GB/64GB m.2 256GB/128GB/64GB * RAID support by add on card with m.2 SSD		
	RAM	SODIMM DDR III 1 Slot(up to 8GB)	SODIMM DDR IV 2 Slots(up to 32GB)	
Display	Front	10.1 inch(1024x600)/15 inch(1024x768)/15.6, 18.5 inch(1366x768)		
	Customer	2Line LCD, 9.7 inch/10.1 inch/15 inch/15.6 inch(Touch available)		
	Touch	Projected capacitive multi-touch panel(PCAP)		
Interface	Default	USB 6, Serial 4(D-Sub9 3, RJ45 1), LAN 1, Drawer 1, Video 1(DP 1)	USB 6, Serial 4(D-Sub9 3, RJ45 1), LAN 1, Drawer 1, Video 2(DP 1, HDMI 1)	
	Extended(Choose 1)	Type A : USB 4 Type B : Serial 2(D-Sub9 1, RJ45 1) Type C : Parallel 1		
	Audio	Line-out 1 port, Internal speaker(2W)		
Peripheral	Payment/ID	MSR/SCR/Finger print/Dallas key		
Option	Installation type	Basic type/Fixed type/Box type(PC box)/Wall type(Wall-mount)		
Software	OS	POS Reday 7, Windows 8.1 Industry, Windows 10 IoT Enterprise	Windows 10 IoT Enterprise	
General	Dimension	355(W)x215(D)x432(H)mm(Basic type, 15 inch Main display)		
	Net weight	5,35kg(Basic type, 15 inch Main display)		
	Color	Gold & Black/Sliver&Black		
Power supply		AC 100~240V, 50~60Hz/DC 12V, 6A, 72W(Apply FORZA 138, FORZA158)		
Certification		KC/CE/FCC/CB/cTUVus(NRTL)/RoHS		

POS Terminal

PROVIDE RELIABLE & VERSATILE HOSPITALITY SOLUTIONS

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

TITAN S Series

Stylish POS Terminal



- Intel Braswell Celeron N3160 or Bay Trail Celeron N2807 CPU
- Energy Efficient and Low Heat Generation Architecture
- Slim Display, 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 Design for Easy Maintenance
- Clean, Quiet Fan Free Design

SPT-7000 Series

Stylish All-in-One POS Terminal



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

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
System	CPU	Intel Celeron N2807(Dual Core 2.16GHz)	Intel Celeron N3160(Quad Core 2.24GHz)	Intel Celeron J1900(Quad Core 2.42GHz)
	Storage	HDD : 500GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB	HDD : 500GB SSD : 256GB/128GB/64GB M.2 SSD : 256GB/128GB/64GB	HDD : 500GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB
	RAM	DDR III 1 Slot(Up to 4GB)	DDR III 1 Slot(Up to 8GB)	DDR III 1Slot(Up to 8GB)
Display	Size	15" LED LCD(1024x768)		
	Input	5W Resistive touch/PCAP Touch(Optional)		
	Serial	3 Ports(RI/5V/12V BIOS Selectable)		
	Parallel	1 Port(Optional)		
I/O	USB	6 Ports(USB 2.0)	6 Ports (2 Ports USB 2.0/2 Ports USB 3.0-REAR) (2 Ports USB 2.0-SIDE)	6 Ports
	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(1024x768) Normal/Flat		
		9.7" LED LCD(1024x768) Flat		
		VFD(20 CHx2 Line)/VFD(256x32 Graphic)		
	Expansion slot	mini PCIe Slotx1	mini PCIe Slotx1 m.2 Slotx1	
Specific option	VESA Wall mount, V stand			
Software	OS	POSReady 7/Windows 8.1, 10/Windows 10 IoT		
Power supply	AC 100-240V, 50-60Hz/DC 12V, 50A, 60W			

Model		TITAN Series	
Picture			
Submodel		TITAN-200	
System	CPU	Intel Celeron N3160(Quad Core 2.24GHz)	
	Storage	HDD : 320GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB	
	RAM	DDR III 2 Slots(Up to 8GB)	
Display	Size	15" LED LCD(1024x768)	
	Input	5W Resistive touch/PCAP Touch(Optional)	
	Serial	4 Ports(RI/5V/12V BIOS Selectable)	
	Parallel	1 Port(Optional)	
I/O	USB	6 Ports (2 Ports USB 2.0-SIDE) (4 Ports USB 3.0-REAR)	
	PS/2	-	
	HDMI	1 Port	
	Ethernet & VGA	1 Port	
	Drawer	1 Port/2 CH(12V/24V Selectable)	
Peripherals	Audio	3 Ports(Line in & out/Mic. in)	
	Internal printer	-	
	MSR	1/2/3 Track support(USB)	
	Fingerprint reader	Optical USB Type	
	Dallas key	Magnetic USB Type	
	Customer display	15" LED LCD(1024x768) Normal/Flat	
		9.7" LED LCD(1024x768) Flat	
		7" LED LCD(800x480) Wide	
Expansion slot	PCIe 1xSlotx1 mini PCIe Slotx1		
Specific option	VESA Wall mount, V stand		
Software	OS	POSReady 7/Windows 8.1, 10/Windows 10 IoT	
Power supply	AC 100-240V, 50-60Hz/DC 12V, 5A, 60W		

Specification_POS Terminal

Model	SPT-4800 Series		SPT-7000 Series	
Picture				
Submodel	SPT-4850		SPT-7050	
System	CPU	Intel Celeron N3160(Quad Core 2.24GHz)		
	Storage	HDD : 500GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB		HDD : 500GB SSD : 256GB/128GB/64GB mSATA : 256GB/128GB/64GB Support 2 Storage Bay slots
	RAM	DDR III 2Slots(Up to 8GB)		
Display	Size	15" LED LCD(1024x768)		
	Input	5W Resistive touch PCAP Touch(Optional)		5W Resistive touch PCAP Touch(Optional)
I/O	Serial	4 Ports(RI/5V/12V BIOS Selectable)		
	Parallel	1 Port(Optional)		
	USB	6 Ports(2 Ports USB 2.0-SIDE/4 Ports USB 3.0-REAR)		
	HDMI	1 Port		
	Ethernet & VGA	1 Port		
	Drawer	1 Port/2 CH(12V/24V Selectable)		
	Audio	1 Ports(Line in & out/Mic. in)		
Peripherals	Internal printer	-		2"/3" Thermal(270mm/sec)
	MSR	1/2/3 Track support(USB)		
	Scanner	-		2D Available
	Fingerprint reader	Optical USB Type		
	Dallas key	Magnetic USB Type		
	Customer display	15" LED LCD(1024x768) Normal/Flat		
		9.7" LED LCD(1024x768) Flat		
		7" LED LCD(800x480) Wide		
	Expansion slot	VFD(20 CHx2 Line)/VFD(256x32 Graphic)		
Specific option	PCIe slot x 1, mini PCIe slot x 1		USB Dongle Wi-Fi, Support CFast card	
Software	OS	POSReady 7/Windows 8.1, 10/Windows 10 IoT		
Power supply	DC 12V/5A		DC 12V/5A(Printer : DC 24V/2.5A)	
Model	SAP-6000		SAP-630	
Picture				
Submodel	SAP-6000		SAP-630	
System	CPU	Intel Celeron N3160(Quad Core 2.24GHz)		
	Storage	m.2 SSD 64GB		NAND 8GB
	RAM	DDR III 1 Slot(Up to 8GB)		DDR III 2GB
Display	Size	15" LED LCD(1024x768)		9.7" LED LCD(1024x768)
	Input	5W Resistive touch/PCAP touch(Optional)		5W Resistive touch
Keyboard	Flat/Raised	-		160 Keys/90 Keys
I/O	Serial	3 Ports(RI/5V/12V BIOS Selectable)		4 Ports(DSUB9x2, RJ45x2)
	Parallel	1 Port(Optional)		-
	USB	6 Ports (2 Ports USB 2.0 /2 Ports USB 3.0-REAR) (2 Ports USB 2.0-SIDE)		2 Ports(USB 2.0)
	PS/2 & HDMI	-		
	Ethernet	1 Port		
	VGA	1 Port		
	Drawer	1 Port/2 CH(12V/24V Selectable)		Internal 1 Port, External 2 Ports
Audio	1 Ports(Line out)			
Peripherals	Internal printer	-		3" Thermal(100mm/sec)
	MSR	1/2/3 Track support(USB)		1/2 or 2/3 Track
	Dallas key	-		Magnetic type
	Customer display	15" LED LCD(1024x768) Normal/Flat		
		9.7" LED LCD(1024x768) Flat		
		VFD(20 CHx2 Line)/VFD(256x32 Graphic)		VFD(16 CHx2 Line)
	Expansion slot	mini PCIe Slotx1 m.2 Slotx1		
	WiFi/Bluetooth	Built-in(Optional)		
	SD card	-		1 Slot
Software	OS	Android 6.0(Marshmallow)		
	Data base	SQLite		
	TAX	VAT, ADD ON, TAX TABLE		
	Dashboard report	Yes		
	Check tracking	Table management, Add/Split/Merge, Reservation		
	Promotion	Promotion, Sweet deal, Combo discount		
	User interface	Support right/Left hand UI		
Network	IRC			
Power supply	DC 12V/5A		AC 100-240 Free voltage	

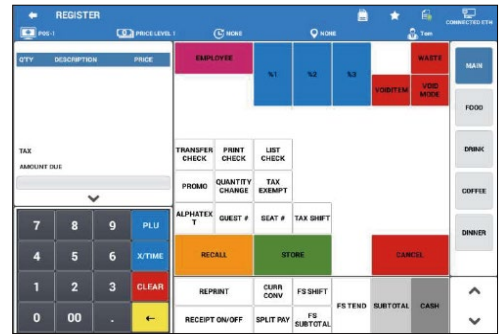
SAM4POS for Android™

The SAM4POS application is easily configured for your food, beverage, or retail business and provides the functions and options you need to meet your point of service needs.

Exceptional POS Capability

Using robust integrated SAM4POS software, your authorized SAM4s dealer can design your custom application by choosing from an array of features available for food and retail operators.

- Casual dining • Hamburger • Bar/Restaurant • Pizza
- Quick service restaurants • Sandwich • Beer/Wine
- Coffee • Taco • Liquor stores • Ice cream and Yogurt
- Deli's • Specialty foods • Specialty gourmet • Bakery



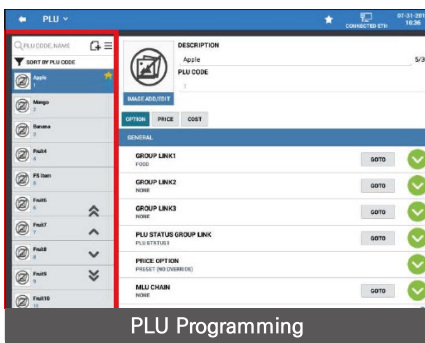
Standard Network Support

SAM4S POS product can be connected in a fast and reliable Ethernet-style network. Networking supports report data consolidation, ECR programming, plus printer and video requisition routing.

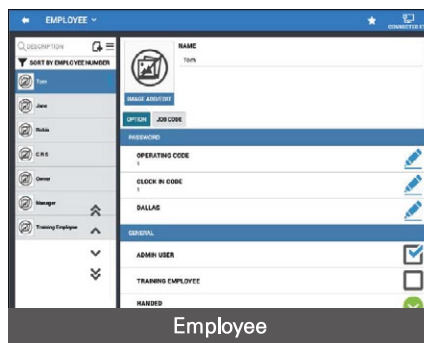


On Screen Manager and Program Access

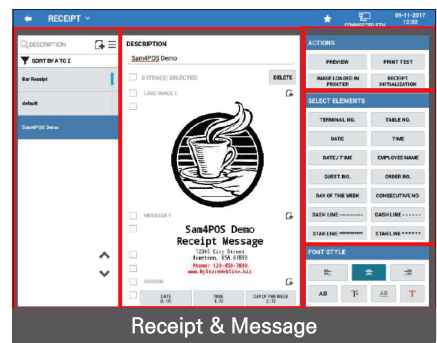
Access manager and programming functions intuitively through menus and on-screen options. Programming and editing can be done without referring to manuals. Managers can easily view report data and quickly adjust to changing conditions.



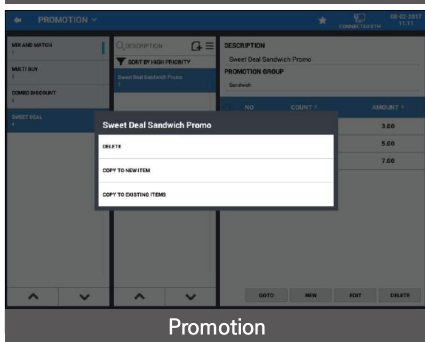
PLU Programming



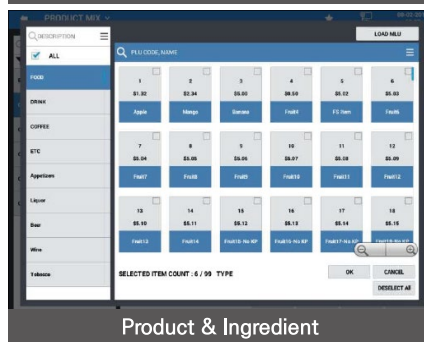
Employee



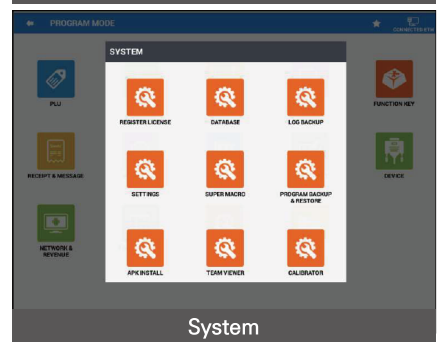
Receipt & Message



Promotion

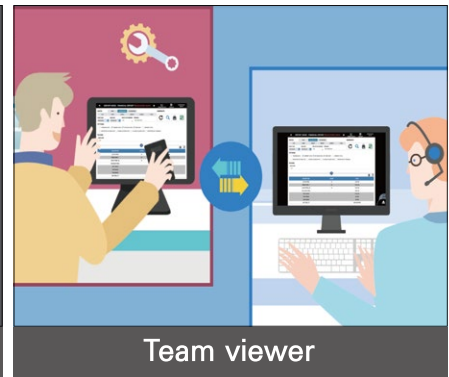
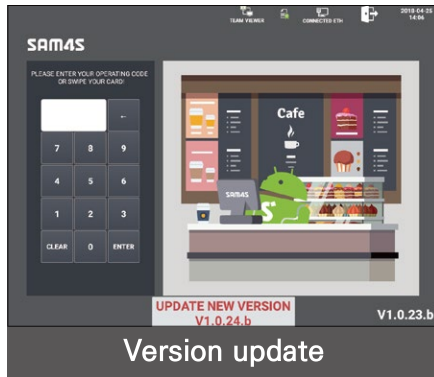
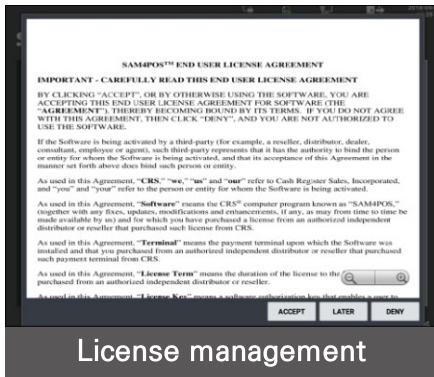


Product & Ingredient



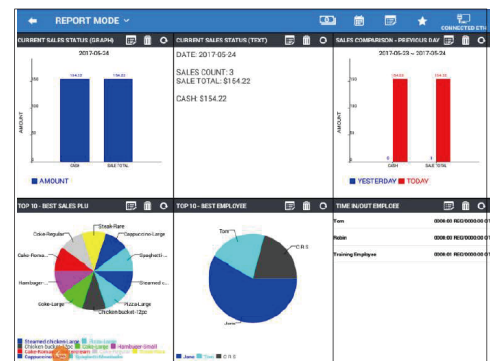
System

Device Management Server



Database Style Reporting / Report Dashboard Feature

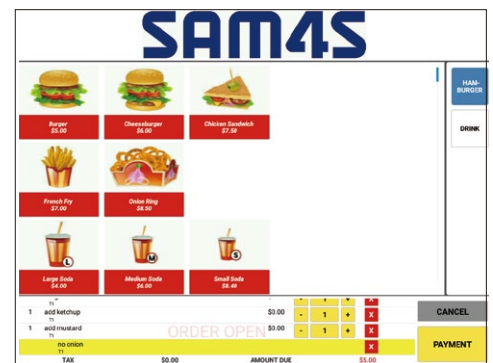
When the Report mode is selected, a grid of six quick view summary reports displays for managers to quickly see selected report information. We can also choose to view or print all detailed reports by touching the 'REPORT MODE' selection dropdown. Cash declaration is also provided in the Report mode and a calendar view for sales data.



KIOSK Mode

If you turn on the KIOSK mode option from SAM4POS solution, the sales mode screen will change to fit the KIOSK screen.

- You will be able to promote the store by selecting destination function key from the main screen and entering the video, image and text accordingly.
- From the sales screen, the products can be grouped and you can change or cancel item easily.
- You can calculate the purchased items by pressing payment button and once the calculation is finished, the order number, purchased item and destination information will be sent via either kitchen printer or kitchen monitor.



Mobile Report Application

You can get the report data easily by SAM4POS Mobile report App in your office. SAM4POS Mobile report application supports the current sale status in real time. And it supports all reports data in SAM4POS which you want to check with pdf, csv and txt file type.



Gcube

Be Flexible with You!



Installation

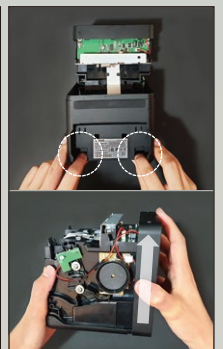


▲Wall Type



▲Under Shelf Type

Assembly



Flexible Compositon

Setting

LED Notification



- Printer can be set by LED notification
- Printer status notification by LED

e.g)



NFC Function



- NFC allows you to set up the printer on your mobile phone



Communication

Wi-Fi or Bluetooth module is built in

- Compatible with all major operating systems including Android, iOS and Windows
- Apple MFi certified



Specification

Model		Gcube-100	Gcube-102
Printing	Resolution	180dpi	203dpi
	Speed	250mm/sec	
	Cutting	Partial cut/Full cut	
Paper	Width	Max. 80.0/58.0mm	
	Diameter	Max. Ø80.0mm	
Reliability	TPH	1x10 ⁸ Pulses/150km	
	Cutter	1.5 million cuts(Jam free auto cutter)	
Connectivity	Interface	USB+Serial(Overseas : D-Sub25/Domestic : D-Sub9+RJ45), USB Serial(D-Sub9)+Ethernet, USB+Wi-Fi+Ethernet, USB+Bluetooth+Ethernet	
	NFC Function	ISO/IEC 14443A compatible	
Software	Emulation	EPSON, STAR	
	Driver/Utility	Windows driver, OPOS driver, JPOS driver(Linux), CUPS driver(Linux & Mac), Utility program	
	SDK	Windows, OPOS, JPOS, CUPS, Android, iOS	
	OS	POSReady 7, Windows Embedded 8 Industry, Windows 10 IoT Enterprise, Windows 7, Windows 8/8.1, Windows 10, Linux, Mac OS, Android, iOS	
General	Dimension	123(W)x123(D)x123(H)mm	
	Net weight	750g	
	Color	Black/White	
Option	Installation	Wall mount/Under shelf	
	Accessory	Kitchen bell/Paper separator(58mm)	
	Sensor	Only top feed mode and 3 inch paper	

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 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

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

Model		GIANT Series
Picture		
Submodel		GIANT-100
Printing method		Thermal line printing
Resolution		180 dpi
Printing speed	Mono paper 80mm	Max. 250mm/sec(59 lines/sec)
	Mono paper 58mm	150mm/sec
	Two color paper	100mm/sec
Paper	Loading	Drop-In type
	Width	Max. 80.0mm/58.0mm
	Diameter	Max. Ø83.0mm
Memory	PGM Memory	2 MByte
	DATA Memory	8 MByte
	DATA Buffer	64 KByte
Reliability	Mechanism(MCBF)	70,000,000 Lines
	TPH	1x10 ⁸ Pulses/150Km
	Auto cutter	1,500,000 Cuts(Jam free auto cutter, Only half cut)
Drawer port		2 Ports(+24V)
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Code 128, ITF, CODABAR, PDF417, QR Code
Driver/Utility		Windows Driver, OPOS Driver, JPOS Driver(Linux & Mac), Cups Driver(Linux & Mac), Utility Program
SDK		iOS SDK, Android SDK
Interface		USB+Serial(25 Pin), USB+Serial(9 Pin+RJ45), USB+Wi-Fi, USB+Serial+Ethernet(3-Combo)
Dimensions(with Foot rubber)		131(W)x155(D)x133(H)mm
Weight		1.0kg
Color		Black(Matt/High-glossy), White
Emulation		EPSON, STAR
Option	LCD Display	-
	Paper near end sensor	Yes(Only horizontal)
	Kitchen bell	Yes
	Wall mount kit	Default
	Splash cover	Yes
	Paper separator(58mm)	Yes
Power supply		DC 24V/2.5A
NFC Function		-




Model		GIANT Series
Picture		
Submodel		GIANT PRO(NFC Tag)
Printing method		Thermal line printing
Resolution		180dpi
Printing speed	Mono paper 80mm	Max. 250mm/sec(59 lines/sec)
	Mono paper 58mm	150mm/sec
	Two color paper	100mm/sec
Paper	Loading	Drop-In type
	Width	Max. 80.0mm/58.0mm
	Diameter	Max. Ø83.0mm
Memory	PGM Memory	2 MByte
	DATA Memory	8 MByte
	DATA Buffer	64 KByte
Reliability	Mechanism(MCBF)	70,000,000 Lines
	TPH	1x10 ⁸ Pulses/150 Km
	Auto cutter	1,500,000 Cuts(Jam free auto cutter, Only half cut)
Drawer port		2 Ports(+24V)
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Code 128, ITF, CODABAR, PDF417, QR Code
Driver/Utility		Windows Driver, OPOS Driver, JPOS Driver(Linux & Mac), Cups Driver(Linux & Mac), Utility Program
SDK		iOS SDK, Android SDK
Interface		USB+Serial+Ethernet(3-Combo)
Dimensions(with Foot rubber)		131(W)x155(D)x133(H)mm
Weight		1.0kg
Color		Black(Matt/High-glossy), White
Emulation		EPSON, STAR
Option	LCD Display	-
	Paper near end sensor	Yes(Only horizontal)
	Kitchen bell	Yes
	Wall mount kit	Default
	Splash cover	Yes
	Paper separator(58mm)	Yes
Power supply		DC 24V/2.5A
NFC Function		ISO/IEC 14443A Compatible

Specification_POS Printer

Model		ELLIX Series	
Picture			
Submodel		ELLIX45II	ELLIX40II
Printing method		Thermal line printing	
Resolution		180dpi	
Printing speed	Mono paper 80mm	Max. 270mm/sec(63 lines/sec)	
	Mono paper 58mm	150mm/sec	
	Two color paper	100mm/sec	
Paper	Loading	Drop-In type	
	Width	Max. 80.0mm/58.0mm	
	Diameter	Max. Ø83.0mm	
Memory	PGM Memory	10 MByte	
	DATA Memory	8 MByte	
	DATA Buffer	64 KByte	
Reliability	Mechanism(MCBF)	70,000,000 Lines	
	TPH	1x10 ⁸ Pulses/150Km	
	Auto cutter	1,500,000 Cuts(Jam free auto cutter, Half/Full cut)	
Drawer port		2 Ports(+24V)	
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Code 128, ITF, CODABAR, PDF417, QR Code	
Driver/Utility		Windows Driver, OPOS Driver, JPOS Driver(Linux & Mac), Cups Driver(Linux & Mac), Utility Program	
SDK		iOS SDK, Android SDK	
Interface		USB Only, USB+Serial(25 Pin), USB+Serial(9 Pin+RJ45), USB+Parallel, USB+Bluetooth, USB+Wi-Fi, USB+Serial+Ethernet(3-Combo)	
Dimensions(with Foot rubber)		144(W)x199(D)x138(H)mm	
Weight		2.0kg	
Color		Black, White	
Emulation		EPSON, STAR	
Option	LCD Display	Yes	
	Paper near end sensor	Yes	
	Kitchen bell	Yes	
	Wall mount kit	Yes	
	Splash cover	Yes	
	Paper separator(58mm)	Yes	
Power supply		DC 24V/2.5A	

Model		ELLIX Series	
Picture			
Submodel		ELLIX42	ELLIX35III
Printing method		Thermal Line Printing	
Resolution		203dpi	180dpi
Printing speed	Mono paper 80mm	Max. 220mm/sec(58 lines/sec)	Max. 230mm/sec(54 lines/sec)
	Mono paper 58mm	150mm/sec	
	Two color paper	100mm/sec	
Paper	Loading	Drop-In type	
	Width	Max. 80.0mm/58.0mm	
	Diameter	Max. Ø83.0mm	
Memory	PGM Memory	10 MByte	2 MByte
	DATA Memory	8 MByte	
	DATA Buffer	64 KByte	
Reliability	Mechanism(MCBF)	70,000,000 Lines	
	TPH	1x10 ⁸ Pulses/150Km	
	Auto cutter	1,500,000 Cuts(Jam free auto cutter, Half/Full cut)	
Drawer port		2 Ports(+24V)	
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Code 128, ITF, CODABAR, PDF417, QR Code	
Driver/Utility		Windows Driver, OPOS Driver, JPOS Driver(Linux & Mac), Cups Driver(Linux & Mac), Utility Program	
SDK		iOS SDK, Android SDK	
Interface		USB Only, USB+Serial(25 Pin), USB+Serial(9 Pin+RJ45), USB+Parallel, USB+Bluetooth, USB+Wi-Fi, USB+Serial+Ethernet(3-Combo)	USB+Serial(25 Pin), USB+Serial(9 Pin+RJ45), USB+Parallel, USB+Serial+Ethernet(3-Combo)
Dimensions(with Foot rubber)		144(W)x195(D)x137(H)mm	144(W)x199(D)x138(H)mm
Weight		2.0kg	
Color		Black, White	
Emulation		EPSON, STAR	
Option	LCD Display	Yes	-
	Paper near end sensor	Yes	
	Kitchen bell	Yes	
	Wall mount kit	Yes	
	Splash cover	Yes	
	Paper separator(58mm)	Yes	
Power supply		DC 24V/2.5A	

Specification_POS Printer & Mechanism

Model		ELLIX Series		
Picture				
Submodel		ELLIX30III	ELLIX32III	ELLIX40F
Printing method		Thermal line printing		
Resolution		180dpi	203dpi	180dpi
Printing speed	Mono paper 80mm	Max. 230mm/sec(54 lines/sec)		Max. 270mm/sec(63 lines/sec)
	Mono paper 58mm	150mm/sec		
	Two color paper	100mm/sec		
Paper	Loading	Drop-In type		
	Width	Max. 80.0mm/58.0mm		
	Diameter	Max. Ø83.0mm		
Memory	PGM Memory	2 MByte		10 MByte
	DATA Memory	8 MByte		
	DATA Buffer	64 KByte		
Reliability	Mechanism(MCBF)	70,000,000 Lines		
	TPH	1x10 ⁹ Pulses/150Km		
	Auto cutter	1,500,000 Cuts(Jam free auto cutter, Half/Full cut)		
Drawer port		2 Ports(+24V)		
Barcode		UPC-A, UPC-E, EAN8, EAN13, Code 39, Code 93, Code 128, ITF, CODABAR, PDF417, QR Code		
Driver/Utility		Windows Driver, OPOS Driver, JPOS Driver(Linux & Mac), Cups Driver(Linux & Mac), Utility Program		
SDK		iOS SDK, Android SDK		
Interface		USB+Serial(25 Pin), USB+Serial(9 Pin+RJ45), USB+Parallel, USB+Serial+Ethernet(3-Combo)		USB(B type)+Serial(RJ45)+Ethernet
Dimensions(with Foot rubber)		144(W)x195(D)x137(H)mm		144(W)x224(D)x182(H)mm
Weight		2.0kg		2.4kg
Color		Black, White		
Emulation		EPSON, STAR		
Option	LCD Display	-		Yes
	Paper near end sensor	Yes		
	Kitchen bell	Yes		
	Wall mount kit	Yes		-
	Splash cover	Yes		
	Paper separator(58mm)	Yes		
Power supply		DC 24V/2.5A		

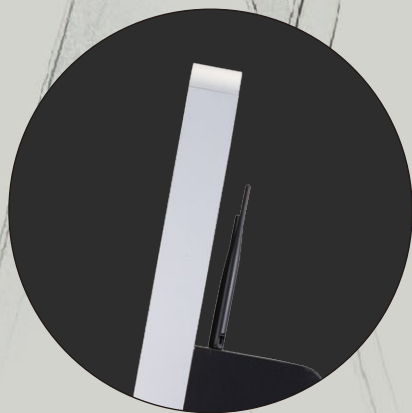
Model		SMT-280 Series		SMT-281 Series
Picture				
Submodel		STM-280H/280HN	STM-280V/280VN	STM-281VN
Printing format	Dot pitch	Vertical Direction 0.125mm/Horizontal direction 0.125mm		
	Character structure	12(W)x24(H)mm		
	Character size	1.5(W)x3.0(H)mm		
	Number of columns	32		
	Available printing width	48.0mm		
Printing speed		Max. 100mm/sec		
Printing firection		Unidirection with Friction feed		
Paper feeding	Feeding method	Friction feed(Drop in type)		
	Minimum feed pitch	0.0625mm		
P/Supply voltage	Power supply voltage	6~9.5V		
	Circuit input voltage	3.3V, 5V DC±5%		
TPH	Heat element density	8 dots/mm(0.125mm/dot)		
	Total number of head elements	384 dots/line		
	Heat element typical resistance value	176Ω ± 4%		
	Available printing width	48mm		
Line seed motor		PM Type stepping motor		
Sensors	Head temperature	Thermistor		
	Paper end sensor	Reflection photo sensor		
	Printer cover open sensor	STM-280H : Micro switch STM-280HN : None	STM-280V : Micro switch STM-280VN : None	None
Paper feeding	Paper type	Single-Ply Thermal paper roll		
	Paper size	57.5mm ± 0.5mm(W) Max. Ø70mm or Less		
Reliability	Life	15,000,000 Lines		
	MCBF	37,000,000 Lines		
	TPH	1x10 ⁹ Pulses/50km		
Dimensions		30(W)x15(H)x69.5(L)mm	15(W)x30(H)x69.5(L)mm	19.7(W)x31.5(H)x69.5(L)mm

Self – Ordering

KIOSK



▲ 21.5 inch Desk Type



Aluminium Frame



▲ 15 inch Stand Type

Stable Systematic Scheme

Designed with technical knowhow of SAM4S to equip the most important aspect of KIOSK, Reliability & Stability

Standard

- Choose the market's approved J1900 CPU
- Supports multi-touch(monitor) to support various types of solution
- 3 inch receipt printer (Max. Ø 80.0)
- Supports various types of interfaces (Serial, USB, VGA and etc.)

Options

- Barcode scanner
- Wi-Fi
- Stand
- EFT bracket
- Cash box



Application



Specification

Model		SK-161	SK-163
Display	Display	15 inch : XGA, 1024x768	21.5 inch : FHD, 1920x1080
	Touch	10 points support, Projected capacitive touch	
System	CPU	Intel Celeron J1900(Quad Core up to 2.4GHz) Intel Core i3, i5 support	
	Storage	mSATA 64GB(up to 256GB)	
	Memory	SODIMM DDR3 4GB(up to 8GB)	
	OS	Windows10 IoT	
	Audio	2x5.0W Speaker	
	Printer	3 inch thermal printer with auto-cutter	
	Power	Input AC 100~240V/50~60Hz	
I/O	Serial	4 Ports	
	USB	4 Ports	
	LAN	IEEE 802.3 10/100/1000 ethernet	
	External display	VGA 1 Port, HDMI 1 Port	
General	Dimension	364(W)x232(D)x530(H)mm	364(W)x232(D)x776(H)mm
	Weight	12.6kg	16.2kg
Option	Barcode scanner	2D	
	Wi-Fi	IEEE 802.11 b/g/n	
	Stand	Plate(400(W)x400(D)x810(H)mm/27.3kg) Wheel(400(W)x400(D)x890(H)mm/21.8kg)	
	EFT bracket	External bracket for payment terminal	
	Cash box	Support	

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

NR-500 Series

Easy and Intuitive ECR



- Available in Both Retail and Hospitality Versions
- Wide Multi Lines Graphic Display
- 16 Char.x2 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

Reliable and Compact 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-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	
Picture			
Submodel		NR-510/520	
Printer	Type	NR-510 : 1 Station thermal(2")/NR-520 : 2 Station thermal(2")	
	Speed	70mm/sec(18 lines/sec)	
	Paper width	57.5mm	
	Paper end sensor	Yes	
Display	Operator	192x64 Graphic LCD with Blue B/L 16 Char.x2 Lines LCD with Blue B/L(Optional)	
	Customer	16 Char.x2 Lines LCD with Blue B/L	
Keyboard	Flat	90 Keys(Optional)	
	Raised	48 Keys	
System	CPU	32 bit(Rx-631, Renesas)	
Memory	Program	2 MByte Flash(CPU Internal)	
	Data	4 Mbit SRAM	
	Ext.(Opt.)	4 Mbit SRAM(Total 8 Mbit)	
	Data storage	60 Days	
Fiscal Memory	EPROM	4 Mbit OTPROM	
	RS-232C	3 Ports(RJ45x2, D-SUB 9Pinx1)	
Interface	USB	Host : 1 Port(Mass storage/Scanner)/Device : 1 Port (PC)(Host/Device selectable)	
	Network	Ethernet(10/100 Mbps)	
	GPRS Modem	Built-in(Optional)	
Drawer	Type	Small/Large Available	
	Port	1 Port	
Peripherals		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)	
S/W	Keyboard departments	Raised : 12/Flat : 60	
	PLU's	1000(Max.8000)	
	Group	20(Max.99)	
	Clerk	10(Max.99)	
	Tax	VAT, ADD ON, TAX TABLE	
	Electronic journal	Yes(SD Card)	
	Euro currency conversion	Yes	
	Graphics logo	Yes	
	Daily and periodic reporting	Yes	
	Table management	Yes	
	PLU Descriptors size	24	
	F/W Update	PC/SD Card	
	PC Utility	Ethernet/Serial/USB	
	Model		NR-400 Series
Picture			
Submodel		NR-420/430	NR-320/330
Printer	Type	NR-420 : 1 Station thermal(2") NR-430 : 1 Station thermal(3")	NR-320 : 1 Station thermal(2") NR-330 : 1 Station thermal(3")
	Speed	70mm/sec(18 lines/sec)	
	Paper width	57.5/80mm	
	Paper end sensor	Yes	
Display	Operator	192x64 Graphic LCD with Blue B/L	16 Charx2 Lines LCD with Blue B/L
	Customer	16 Charx2 Lines LCD with Blue B/L	
Keyboard	Flat	-	
	Raised	35 Keys	
System	CPU	32 bit(Rx-631, Renesas)	
Memory	Program	2 MByte Flash(CPU Internal)	
	Data	4 Mbit SRAM	
	Ext.(Opt.)	4 Mbit SRAM(Total 8 Mbit)	
	Data storage	60 Days	
Fiscal memory	EPROM	4 Mbit OTPROM	
	RS-232C	2 Ports(RJ45 x 2)	
Interface	USB	Host : 1 Port(Mass storage/Scanner)/Device : 1 Port(PC)(Host/Device selectable)	
	Network	Ethernet(10/100 Mbps)	
	GPRS Modem	Built-in(Optional)	
Drawer	Type	-	
	Port	1 Port, RJ11(24V)	
Peripherals		Scanner(Serial/USB), Remote printer, Slip printer, Kitchen printer, Scale, Pole, PC, EFT, SD Card(2 Slots : 1-Internal, 1-External)(SDHC Compatible)	
S/W	Keyboard departments	4(Max. 8 DEPT. with SHIFT Keys)	
	PLU's	1000(Max.8000)	
	Group	20(Max.99)	
	Clerk	10(Max.99)	
	Tax	VAT, ADD ON, TAX TABLE	
	Electronic journal	Yes(SD Card)	
	Euro currency conversion	Yes	
	Graphics logo	Yes	
	Daily and periodic reporting	Yes	
	Table management	-	
	PLU Descriptors size	24	
	F/W Update	PC/SD Card	
	PC Utility	Ethernet/Serial/USB	


Specification_ECR

Model		ER-260EJ Series	ER-230EJ
Picture			
Submodel		ER-260EJ/265EJ	ER-230EJ
Printer	Type	1 Station thermal(2")	
	Speed	70mm/sec(18 lines/sec)	
	Paper width	57.5mm	
	Paper end sensor	Yes	
Display	Operator	16 Charx2 Lines LCD with Blue B/L	
	Customer	16 Charx2 Lines LCD	
Keyboard	Flat	ER-265 EJ : 49 Keys(Optional)	-
	Raised	ER-260 EJ : 49 Keys	40 Keys with Cap
System	CPU	32 bit(Rx-631, Renesas)	
Memory	Program	2 MByte Flash(CPU Internal)	
	Data	4 Mbit SRAM	
	Ext.(Opt.)	4 Mbit SRAM(Total 8 Mbit)	
	Data storage	60 Days	
Fiscal Memory	EPROM	4 Mbit OTPROM	
Interface	RS-232C	3 Ports(RJ45x3)	2 Ports(RJ45x2)
	USB	Host : 1 Port(Mass storage/Scanner)/Device : 1 Port(PC)(Host/Device selectable)	
	Network	Ethernet(10/100 Mbps)	
	GPRS modem	Built-in(Optional)	
Drawer	Type	Small/Large available	3B4C, 4B4C
	Port	1 Port	1 Port, RJ11(24V)
Peripherals		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)	Scanner(Serial/USB), Remote printer, Slip printer, Kitchen printer, Scale, Pole, PC, EFT, SD Card(2 Slots : 1-Internal, 1-External)(SDHC Compatible)
S/W	Keyboard departments	15	12
	PLU's	1000(Max.8000)	
	Group	20(Max.99)	
	Clerk	10(Max.99)	
	Tax	VAT, ADD ON, TAX TABLE	
	Electronic journal	Yes(SD Card)	
	Euro currency conversion	Yes	
	Graphics logo	Yes	
	Daily and Periodic reporting	Yes	
	Table management	Yes	-
	PLU Descriptors size	24	
	F/W Update	PC/SD Card	
	PC Utility	Ethernet/Serial/USB	

Model		ER-180U
Picture		
Submodel		ER-180U
Printer	Type	1 Station thermal(2")
	Speed	65mm/sec(17.3 lines/sec)
	Paper width	57.5mm
	Paper end sensor	Yes
Display	Operator	8 Digits LED
	Customer	8 Digits LED(Optional)
Keyboard	Flat	-
	Raised	48 Keys
System	CPU	32 bit(LPC1519, NXP)
Memory	Program	256 KByte Flash(CPU Internal)
	Data	96 KByte Serial-EEPROM
	Ext.(Opt.)	-
	Data storage	90 Days
Fiscal memory	EPROM	-
Interface	RS-232C	Use only firmware update
	USB	-
	Network	-
	GPRS modem	-
Drawer	Type	3B4C, 4B4C
	Port	1 Port
Peripherals		-
S/W	Keyboard departments	16
	PLU's	500
	Group	-
	Clerk	10
	Tax	4
	Electronic kournal	Yes
	Euro currency conversion	Yes
	Graphics logo	-
	Daily and Periodic reporting	Yes
	Table management	-
	PLU Descriptors size	12
	F/W Update	PC
	PC Utility	-

Specification_ECR

Model		SPS-300 Series
Picture		
Submodel		SPS-320/325/340/345
Printer	Type	SPS-320/325 : 1 Station thermal(2") SPS-340/345 : 2 Station thermal(2")
	Speed	85mm/sec(22 lines/sec)
	Paper width	57.5mm
	Paper end sensor	Yes
Display	Operator	192x64 Graphic LCD with Blue B/L
	Customer	16 Char.x2 Lines LCD with Blue B/L
Keyboard	Flat	SPS-320/340 : 150 Keys
	Raised	SPS-325/345 : 63 or 91 Keys
System	CPU	ARM7(LPC2470, NXP)
Memory	Program	16 Mbits Flash
	Data	16 Mbit SRAM(Default)
	Ext.(Opt.)	-
	Data storage	90 Days
Fiscal memory	EPROM	2Mbit
	RS-232C	3 Ports
Interface	USB	1 Port(PC)
	Network	IRC 1 Port(Max. 16 sets)
	GPRS modem	-
	Drawer	Type
	Port	2 Port
Peripherals		MSR, Operator Key, Scanner(Serial), Remote printer, Slip printer, Kitchen printer, Scale, Pole, PC, EFT, Kitchen video, SD Card(1 Slot : 1-External)
S/W	Keyboard departments	28/63/100
	PLU's	2000(Max.20,000)
	Group	20(Max.99)
	Clerk	10(Max.99)
	Tax	VAT, ADD ON, TAX TABLE
	Electronic journal	Yes
	Euro currency conversion	Yes
	Graphics logo	Yes
	Daily and Periodic reporting	Yes
	Table management	Yes
	PLU Descriptors size	18
	F/W Update	PC/SD Card
	PC Utility	Serial/USB

Model		ER-900 Series
Picture		
Submodel		ER-920/925/940/945
Printer	Type	ER-920/925 : 1 Station thermal(2") ER-940/945 : 2 Station thermal(2")
	Speed	85mm/sec(22 lines/sec)
	Paper width	57.5mm
	Paper end sensor	Yes
Display	Operator	16 Char.x2 Lines LCD with Blue B/L
	Customer	16 Char.x2 Lines LCD
Keyboard	Flat	ER-920/940 : 150 Keys
	Raised	ER-925/945 : 63 or 91 Keys
System	CPU	ARM7(LPC2470, NXP)
Memory	Program	16 Mbits Flash
	Data	4 Mbit SRAM
	Ext.(Opt.)	16 Mbit SRAM(Total 16 Mbit)
	Data storage	90 Days
Fiscal memory	EPROM	2 Mbit
	RS-232C	3 Ports
Interface	USB	1 Port(PC)
	Drawer	Type
	Port	2 Port
Peripherals		MSR, Operator key, Scanner(Serial), Remote printer, Slip printer, Kitchen printer, Scale, Pole, PC, EFT, Kitchen video, SD Card(1 Slot : 1-External)
S/W	Keyboard departments	28/63/100
	PLU's	2000(Max.20,000)
	Group	20(Max.99)
	Clerk	15(Max.99)
	Tax	VAT, ADD ON, TAX TABLE
	Electronic journal	Yes
	Euro currency conversion	Yes
	Graphics logo	Yes
	Daily and Periodic reporting	Yes
	Table management	Yes
	PLU Descriptors size	18
	F/W Update	PC/SD Card
	PC Utility	Serial/USB

Industrial PDA

ACCURATE, EFFICIENT & COST-EFFECTIVE

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

SHM-1000

Integrated 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

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

Specification_Industrial PDA

Model	SHM-1000
Picture	
CPU	ARM11 800 MHz
OS	Windows embedded handheld 6.5 Windows CE. NET 5.0
Memory	1 GB Flash ROM 256 MB RAM
Display	3.5" QVGA(320x240) TFT Resistive touch screen
Keypad	Numeric
Communications	IEEE 802.11a/b/g/n GSM/GPRS/EDGE/WCDMA/HSDPA GPS(Integrated SiRF Star 4)
Printer	2" Thermal printer
MSR	Triple track(Bi-Directional)
IC Card	IC Card reader with 4 SAM, EMV Level I & II Certified, ISO7816
RFID	ISO18092(NFC), ISO14443 A/B
Scanner	1D Laser class II or 2D CMOS Imager(Optional : HD)
Camera	5.0M Pixels auto focus with Flash LED
Audio	Speaker
Expansion	Micro SD Card slot
Battery	7.4V/2,600mAh Rechargeable Li-ion
Cradle	USB Host(A type) or Ethernet(RJ45), Client(Mini B) RS-232C 9 Pin, DC Jack, Battery charging slot
Operation temperature	-10~50 °C
Storage temperature	-20~60 °C
Humidity	95%
Drop Spec	Stands 1.2 meter Drop to steel
Dimensions	112(W)x64.2(D)x244(H)mm
Weight(Including battery)	636g
Payment	Contact EMV L1 & L2, Contactless EMV L1 & L2, Master PayPass & Visa wave
Additional feature	-

Model	SHR-1000
Picture	
CPU	Cortex-A8 1 GHz
OS	Windows embedded handheld 6.5
Memory	1 GB Flash ROM 256 MB DRAM
Display	3.5"VGA(64x80) TFT Resistive touch screen
Keypad	Numeric, Qwerty
Communications	IEEE 802.11a/b/g/n GSM/GPRS/EDGE/UMTS/HSPA+ Bluetooth 2.1+EDR S-GPS(GPS+Glonass)/A-GPS
RFID	ISO14443 A/B, ISO15693
Scanner	1D Laser class II or 2D CMOS Imager
Camera	5.0M Pixels Auto Focus with Flash LED
Audio	Speaker, Receiver, Microphone, Vibrater
Expansion	Micro SD Card slot
Battery	3.7V/4,400mAh Rechargeable Li-ion (Gun : 3.7V/2,200mAh Rechargeable Li-ion)
Cradle	USB Host(Standard B)/Client(Mini B) RS-232C 9 Pin, DC Jack Battery charging slot
Operation temperature	-20~50 °C
Storage temperature	-40~70 °C
Humidity	95%
Drop Spec	Stands 2.0m drop to steel MIL-STD-810G, Method 516.6
Sealing	IP67(IEC 60529 : 2001) MIL-STD-810G, Method 512.5
Dimensions	84(W)x36.4(D)x169(H)mm
Weight(Including battery)	398g

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

Reliable EFT POS Terminal



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

Signature Pad

Sophisticated Slim Cover with a Sheen



SSP-1100



SSP-2000




SSP-3000

- Graphic LCD Touch Screen, 128x64
- Provides Smooth Drawing
- Integrated Keypad(SSP-2000)
- Integrated MSR and Smart Card Reader EMV Level 1 & 2(SSP-3000)

Specification_EFT POS Terminal


Model		SHC Series		
Picture				
Submodel	SHC-550			
Main	CPU	SAMA5D26, 500 MHz		
	OS	Embedded Linux(4.4.x)		
	Memory	Flash ROM	256 Mbytes	
		SDRAM	128 Mbytes	
	MSR	ISO7811 Standard, 2/3 Track		
	Display	4.3"(480x272) TFT Color LCD		
	Printer	Printing method	3" Thermal	
		Printing speed	Max. 230mm/sec	
	Reliability	TPH	1x10 ⁸ Pulses/150Km	
		Auto cutter	1,500,000 Cuts(Jam free auto cutter, Only half cut)	
Modem	ISO Modem(56 Kbps)			
Keypad	23 Keys(Alpha/Numx12, Functionx11)			
Smart card	Smart card	EMV Level 1 & 2 Certified, ISO7816		
	Sam socket	4-SAM		
Interface	Serial	3 Ports		
	USB	1 Port(Type A)		
	Ethenet	1 Port		
	Telephone	2 Ports		
	Drawer	1 Port		
Dimensions	136(W)x230(D)x122(H)mm			
Power supply	DC 24V/2.5A			


Specification_Signature Pad


Model		Signature Pad		
Picture				
Submodel	SSP-1100	SSP-2000	SSP-3000	
Main	CPU	32Bits ARM Processor(Cortex M3)	Cortex-M4	
	Touch panel	4-Wire Resistive touch screen		
	Display	128x64 Graphic touch LCD		
	Keypad	-	14 Keys (Alpha/Numx11, Functionx3)	-
	MSR	-	ISO7811 Standard, 2/3 Track	
	USB	Yes(Optional)		
Smart Card	Smart card	-	EMV Level I & II Certified, ISO7816	
	Sam socket	-	2-SAM	
Interface	Serial	RS-232x2 Ports		
	USB	Yes(Optional)		
Dimensions	75(W)x131(D)x29(H)mm	98(W)x145(D)x44(H)mm	120(W)x106(D)x59(H)mm	
Power supply	DC 5V/2A			

Specification_Peripherals

Model		15" Touch Monitor
Picture		
Submodel		SPM-T15
TFT-LCD	Size of LCD Panel	15" LED LCD
	Resolution	1024x768
Touch panel	Type	5W Resistive touch PCAP Touch(Optional)
	Transparency	81%
	Touch life	36 Million times
	OS	POSReady 7 Windows 7, 8.1, 10 Windows 10 IoT
Power	Type	60W External Adapter
	Input voltage	AC 100~240V, 50/60Hz
	Output voltage current	DC 12V/5A
Interface	Input signal	Analog RGB
	Video input Signal connector	D-SUB 15 Pin VGA Type
	OSD control function	-
Enviroment	Regulations approved	CE/FCC/RoHS
	Temperature	0~40°C
	Humidity	10~80%




Model		7" Pole Display
Picture		
Submodel		QPD-ML700
TFT-LCD	Size of LCD Panel	7" LCD
	Resolution	800x480
Interface	Serial	RS-232C(RJ45/D-SUB 9 Pin)
	USB	USB(Virtual COM)
	Ethernet	10/100 base-T(Optional)
	Wi-Fi	IEEE 802.11b/g(Optional)
	VGA	-
Input signal		Serial/USB/Ethernet/Wi-Fi
Power	Type	External adaptor
	Output voltage /Current	DC 7.5V/2.5A
Storage	NAND Flash	512 MByte
Image	Format	ECR : JPEG, BMP, PNG, TGA POS : JPEG, BMP, GIF, PNG, TGA
	Download	USB Memory, PC(Serial, USB, Ethernet, Wi-Fi)
Command	Mode	4 Type Windows mode
	Type	ESC/POS
Other	Pivot function	YES
	VESA	YES
	Utility	Image & F/W Download
	Driver	YES




Model		9.7" Pole Display
Picture		
Submodel		SCD-100 Pole type
TFT-LCD	Size of LCD Panel	9.7" LED LCD
	Resolution	1024x768
Measurement	Display	246(W)x197(D)x115(H)mm
	Stand	200(W)x128(D)x28(H)mm
	Height	450~550mm
Power	Input voltage	7.5V/2.5A, 50/60Hz ±3Hz
Interface	Input signal	Analog RGB
	Video input Signal connector	D-SUB 15 Pin Cable
Enviroment	Temperature	10~40°C
	Humidity	10~80%

Model		VFD Pole Display
Picture		
Submodel		QPD-V202
Display	Type	VFD
	Font	-
	Format	20 Columnsx20 Lines
Interface	Serial	RS-232C(RJ-45/D-SUB 9 Pin)
	USB	USB(Virtual COM)
Emulation		CD5220/DSP800/EPSON ESC/POS/ ADM788/ADM787/AEDEX/UTC-S/ UTC-E / ICD2002
Power	Output voltage	DC 7~12V
	Consumption	4.5W(Max)
Tilt angle		0~40°
Swivel angle		350°

Model		2 Lines Character LCD
Picture		
Submodel		QPD-ML1625
Display	Type	2 Lines Character LCD
	Font	Europe
	Format	16 Columnsx2 Lines
Interface	Serial	RS-232C(RJ-45/D-SUB 9 Pin)
	USB	-
Emulation		EPSON/STAR
Power	Output voltage	DC 7~12V
	Consumption	4.5W(Max)
Tilt angle		0~40°
Swivel angle		-

Specification_Peripherals

Model		CASH DRAWER			
Picture					
Submodel		H-Drawer	G-Drawer	Bplus-Drawer	
Color		White/Black			
Dimensions		420(W)x400(D)x112(H)mm	400(W)x450(D)x112(H)mm	325(W)x420(D)x95(H)mm	
Housing	Top material	Steel			
	Bottom material	Steel		Plastic	
Tray	Till material	Steel		Plastic	
	Sliding type	Plastic-Roller			
	Media slot	2 Slots, Height : 10mm			
	Lock key	2 Position ① On-Line ② Closed		3 Position key option ① On-Line ② Closed ③ Manual open	
Bill Coin	Bill till size(mm)	Width	72(5B5C)	87(4B8C)/67(5B5C)	89(3B4C)/67(4B4C)
		Depth	180		
		Height	48	51(4B8C)/48(5B5C)	45
	Coin till size(mm)	Width	71(5B5C)	78(4B8C)/68(5B5C)	62
		Depth	97(5B5C)	67(4B8C)/98(5B5C)	84
		Height	48(5B5C)	39(4B8C)/48(5B5C)	39
	Coin box separation	NO	YES(4B8C)/NO(5B5C)	YES	
	Coin partition separation	YES			
	Bill partition separation	YES			
	Lever press	Standard	Plastic		
Option		Steel			
Option	Compulsory	YES			
	Latch	2 Latch			
Interface	RJ11				
Locking lid	Yes(Optional)			-	
Power input(solenoid)	12V/24V	7V/12V/24V			
Life	1,000,000 Cycle			300,000 Cycle	
Weight	6.7kg			3.1kg	

Model	Bluetooth Dongle (ELLIXBLUE Series)		
Picture			
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 peripheral device)	Slave device(Printer)
Bluetooth version	V2.0 + EDR Certification		
Frequency	Up to 18 dBm Typical		
Rx. Sensitivity	- 88 dBm Typical		
Coverage	Up to 100 Meters(Open space)		
Antenna	Dongle type : Chip Antenna(Gain : Max 1.5 dBi) Interface card type : Cable Antenna(Gain : Max 2.0 dBi)		
Power supply	DC5V 80 mA USB : USB BUS POWER RS-232C : D-SUB 9 Pin 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		

SAM4S

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All features and specifications describe and subject to change without notice