

# SHARP

Be Original.



## Modular Electronic Point of Sale Systems

The Sharp Point-of-Sale System puts the customer in control, allowing them to build their point of sale to best serve their environment.

RZ-E412 / RZ-E521 / RZ-E561  
RZ-E402 / E302





## RZ-E412 / RZ-E521 / RZ-E561

### Modular Elements

With a choice of three sizes –13.3"; 15.1" and 15.6", the full colour LCD screen is bright and durable with Projective Capacitive technology for fast touch response. The front of the high resolution screens boast an IP65 rating for water and dust resistance – a vital requirement for many retail and hospitality situations.

In addition to the choice of screen, three CPU modules are available – an energy efficient J1900, a fast and responsive Intel i3 and even faster Intel i5, allowing customers to choose the optimum processor platform to suit their situation.

### Easy to Maintain

All terminals in the Sharp RZEXXX range boast a silent, fan-less design which, in addition to the robust and durable Solid State storage technology, helps minimise ongoing maintenance. The modular design also allows for quick, easy access for memory or processor upgrades.

### Expandability

In line with existing Sharp EPOS terminals, the series offers a wealth of expansion options including additional ports for peripheral devices to be connected. Other options include a magnetic card reader, 2-line VFD display, LCD customer display, barcode scanner and for added security a high speed hard disk back-up module is also available.



### Integrated Space Saving Design

Sharp have developed an intelligent cable management solution, housed neatly within the stand of the unit – for a clutter free appearance. The power supply and expansion modules are integrated into the base of the unit resulting in a small counter top footprint.

### Key Features

- Modular system with choice of screen size and CPU
- Tailored for point of sale access: MCR/MSR with iButton
- Operates with the latest version of Microsoft® Windows® 10 and able to run POS Software
- Reliable, high speed media storage (60GB or 128GB SSD's)
- Adjustable screen tilting: 20° to 90°
- Fanless architecture and Solid State Disk minimises number of moving parts
- Bright screen (220 - 400cd/m<sup>2</sup>) with LED backlight
- True flat responsive P-CAP technology for quick touch response
- IP65 rated screen: dust and water resistance
- Expandability: choice of I/O expansion modules for additional interface ports
- Optional HDD Data back-up for all models or SSD RAID function for Intel i3 / Intel i5 CPU models

## RZ-E402

The **RZ-E402** is a high performance POS terminal but slim as a tablet. The stand comes with 4 rubber feet resulting in that the system is stable on conventional counters or cash drawer. Apart from this the 25.7 cm true flat LCD screen with very high brightness features brilliant contrast and color as well as fast operation. The p-capacitive touch screen can be operated precisely by your fingers. Additionally the optional 17.8 cm LCD customer display gives clear item registration and payment information to customer or is used for advertising campaigns. To the several available USB ports optional various devices like printer, etc. can be connected. Needless to say the RZ-E402 is a sophisticated entry level POS terminal.

### Key Features

- Fanless entry level pos terminal with I/o stand
- Compact and slim size design
- True flat 25.7 Cm lcd color touch adjustable screen
- Performance cpu braswell celeron n3160
- Up to 7 usb ports for connection of various optional devices
- Windows 10 iot operating system preinstalled
- 64Gb Solid State Disk
- 2 Integrated speakers



## RZ-E302

The **RZ-E302** follows the increasing demand for Android based POS terminals. The stand comes with 4 rubber feet resulting in that the system is stable on conventional counters or cash drawer. Apart from this the 25.7 cm true flat LCD screen with high brightness features brilliant contrast and color as well as fast operation. The capacitive touch screen can be operated precisely by your fingers. To the several available USB ports optional devices like printer, magnet card reader, barcode scanner etc. can be connected. Needless to say the RZ-E302 is a sophisticated entry level POS terminal.

### Key Features

- Fanless entry level pos terminal with I/o stand
- Compact and slim size design
- True flat 25.7 Cm lcd color touch adjustable screen
- Performance cpu braswell celeron n3160
- Up to 7 usb ports for connection of various optional devices
- Windows 10 iot operating system preinstalled
- 64Gb Solid State Disk
- 2 Integrated speakers

### Optional Extras for RZ-E412, RZ-E512, RZ-E612

Model	Description
RZ-E3IO1	IO Expansion box
RZ-E3SA1	2.5" SATA 500GB HDD
RZ-E3ACE	PUH/ 130W adapter
RZ-E3MT1-BK	MSR + iButton
RZ-E3DP1-BK	VFD (2 line x 20)
RZ-E3D1O-BK	10.1" Customer Display
RZ-E3MR1-BK	MSR ISO Track 1/2/3
RZ-E3PRE-BK	Printer Module

### Optional Extras for RZ-E302/E402

Model	Description	
RZ-E2BR1	Barcode Reader(Pogopin)	For RZ-E302/E402
RZ-E2DP1	7" Customer display with holder	For RZ-E302/E402
RZ-E2MR1	MSR(Pogopin)	For RZ-E302
RZ-E2MR2	MSR(USB)	For RZ-E402

## Specifications

Model	RZ-E412	RZ-E521	RZ-E561	RZ-E402	RZ-E302
<b>Display</b>					
Color touch (cm)	13.3" FHD	15" XGA	15.6" WXGA	25.7 cm/capacitive/300 cd/m <sup>2</sup> brightness	10.1"
LCD Display	TFT Color			TFT Color	
Size 1	1920 x 1080	1024 x 768	1366 x 768	1.024 x 600	1.024 x 768
Size 2	not supported			not supported	
<b>Network</b>					
Ethernet	10 / 100 / 1000 Mbps			10 / 100 Mbps	
<b>PC System</b>					
Operating system	Windows 10 IoT Enterprise (64 bit)			Windows 10 IoT	Android 4.4.x
CPU	Intel® Celeron® J1900, 2.42GHz	Intel® Core™ i3-6100U, 2.30GHz	Intel® Core™ i5-6300U, 3.00GHz	Braswell Celeron N3160/Fanless	Cortex A9 Quad Core 1.6GHz
L2 Cache	Intel Celeron J1900 512 KiB / Core i3-6100U 512 KiB / Core i5-7300U 512 KiB			--	--
BIOS ROM (Flash ROM)	Intel Celeron J1900 Phoenix uEFI / Core i3-6100U and Core i5-6300U AMI uEFI			AMI BIOS	AMI BIOS
Standard RAM Memory	4 GB / 8 GB Core i5-6300U			4 GB	2 GB
Maximum RAM Memory	8 GB / 16 GB Core i5-6300U			4 GB	2 GB
Hard Disk Drive	SATA M.2 SSD 60GB - 128GB			--	--
Alternative Drive	optional SATA HDD			no/Solid State Disk	eMMC 8GB
Magnet card reader	Optional			Optional	
LPT parallel port	--	--	--	--	1
Customer display	optional 2 line alphanumeric or 10.1 inch LCD customer display			optional external 17.8 cm LCD customer display	--
Drawer	maximal 1			1 via external printer	via external printer
Handheld terminal	--	--	--	--	Yes
<b>I/O Ports</b>					
Serial RS232	2 (Celeron J1900) / 3 (Core i3 / i5) plus 2 with optional expansion board for both			--	
USB	4 x USB 3.0 / 2 x USB 2.0 plus powered USB with optional USB Hub			3 x USB 2.0 + 2 x USB 3.0/+ 2 x USB 2.0 in stand	4
External Monitor (VGA interface)	Intel Celeron J1900 1 x Mini display port / Core i3 and Core i5 2 x Mini display port			--	--
Operator key lock	optional Dallas key system				
Magnet card reader	1			--	Yes
Drawer	1			--	--
2-line alphanumeric display	1			--	--
<b>Technical Specification</b>					
Dimensions (W x D x H mm)	329 x 210 x 286	360 x 222 x 290	402 x 212 x 288	261 x 148 x 218	253 x 148 x 230
Weight (kg)	4 kg	4.8 kg	4.6 kg	1.9 with stand	6.160kg
Power Consumption Operating (W)	65W			max. 40W	less than 84W
EMV Class	--			This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.	



**SHARP Middle East FZE**

P.O.Box 17115 Dubai  
 Jebel Ali Free Zone, United Arab Emirates  
 Phone: +971 4 8815311 Fax: +971 4 8871388  
 e-Mail: [bsdmarketing@smef.sharp-world.com](mailto:bsdmarketing@smef.sharp-world.com)

[www.sharpmea.com](http://www.sharpmea.com)