IEI Point-of-Sales System

08", 12", 15", 17" all-in-one touch POS PC

Designed for easy and simplified integration into point-of-sales (POS) application, IEI introduces the multi-function all-in-one touch POS.

The AFOLUX POS is equipped with an AMD Geode™ LX 800 allowing fanless operation with low power consumption, while still delivering multimedia performance for interactive setups.

The Enrich POS is equipped with an Intel® platform providing high performance and ensuring optimal memory, graphics, and peripheral support.

IEI's POS has an integrated wireless LAN module, touch screen, and multi peripheral device connections making it the ideal solution for retail and hospitality, and restaurant applications.



AFOLUX POS (12", 15")



Enrich POS-16x Series (12", 15")

IBX-700/800/900 Series Desktop POS PC

IBX-700/800/900 is a specially designed computer for POS business. The compact IBX POS PC can easily integrated with other devices, such as POS peripherals, monitors, etc. it's also perfect for kiosks.



Enrich POS-26x Series (15", 17")

Feature

- Comprehensive I/O interface for POS peripherals
- Versatile mounting suitable for diverse applications
- Built-in wireless LAN for remote communications
- Selectable AT/ ATX power mode
- Comprehensive interface for peripherals
- IP-64 compliant front panel for all-in-one POS system



IBX-700/800/900



EP-308A(08")

Built-in CPU Options

IEI provides the POS system with the newest and hottest CPU and chipset processor. IEI's POS PC offers high performance solutions to fulfill all the point-of-sales applications and keeps you being the leader in the POS industry.

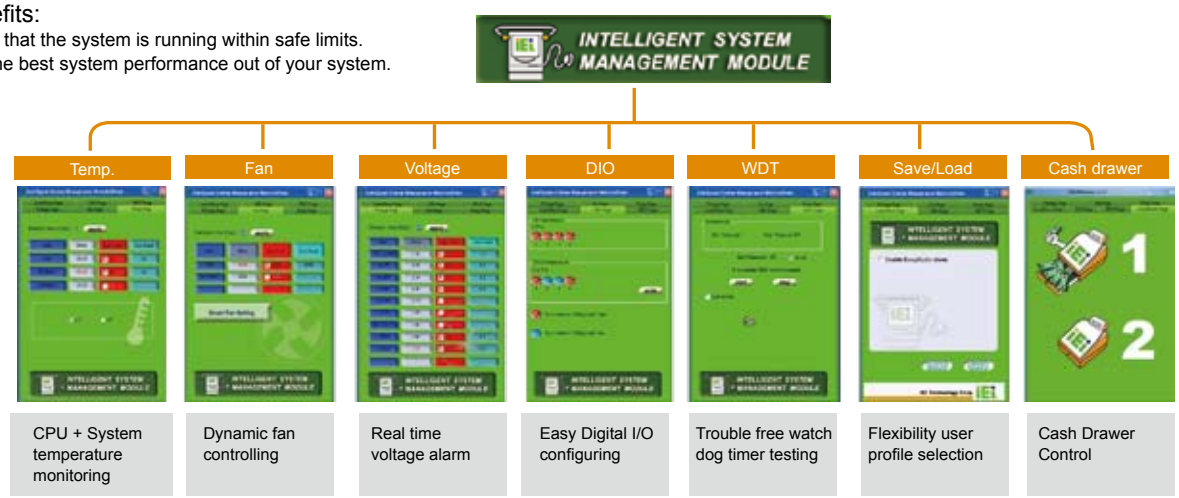
Brand Name	Code Name	CPU No.	Clock Speed (MHz)	FSB	L2 Cache	TDP	Chipset	Available Item
Celeron M	Dothan	373	1.00	400	512KB	21W	910GMLE	IBX-700-910 EP-162-910 EP-165-910 EP-265-910 EP-267-910
		370	1.50	400	1MB	5.5W	915GME	IBX-700-915
	Yonah	440	1.86	533	1MB	27W	945GME	EP-162-945 EP-165-945
	Merom	575	2.00	533	1MB	27W	GM45	EP-265-GM45 EP-267-GM45
Core Duo	Yonah	T2300E	1.66	667	2MB	31W	945GME	IBX-800-945GM
Celeron D	Cedar Mill	352	3.20	533	512KB	65W	945GM	IBX-900-945G
Pentium 4		651	3.40	800	2MB	65W	945G	IIBX-900-945G
Pentium Dual Core	Conroe	E2160	1.80	800	1MB	65W	945G	IBX-900-945G
Core 2 Duo	Wolfdale	E8400	3.00	1333	6MB	65W	Q35	IBX-900-Q35

Supervision Utility for POS Solution

The ISMM monitors system settings to prevent system instability or damage. The ISMM monitors system temperatures and voltages, cooling fans, watchdog timer and digital I/O.

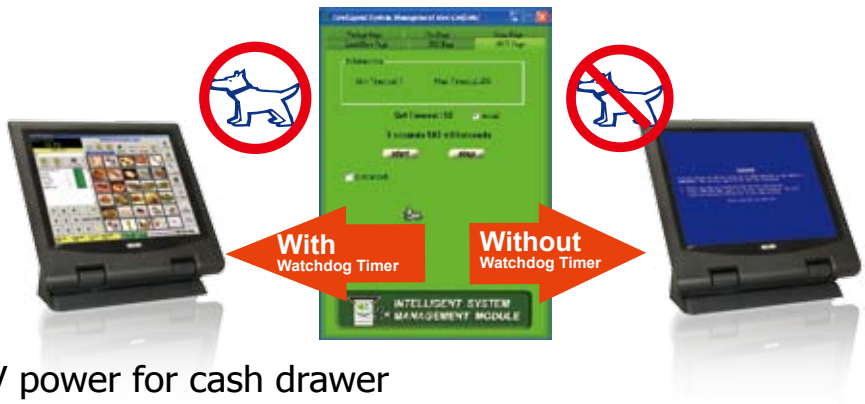
Benefits:

Know that the system is running within safe limits.
Get the best system performance out of your system.



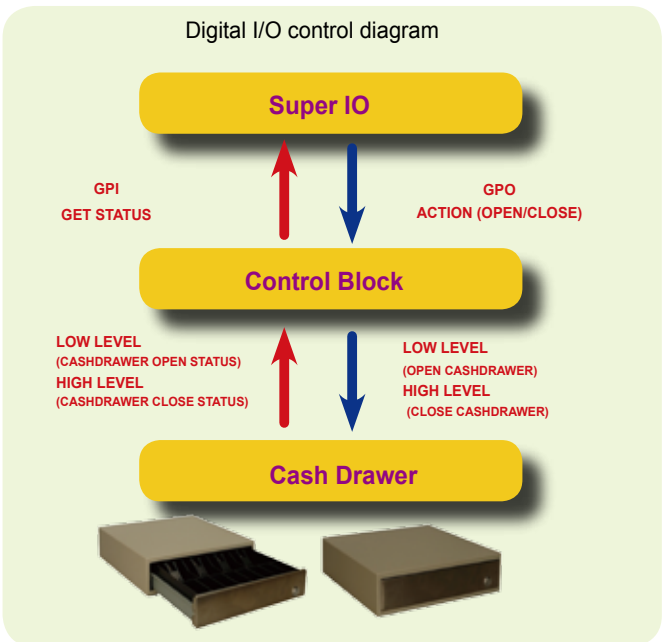
• Watchdog timer prevents system lock-up

The watchdog timer will automatically restart the system if it stops responding, ensuring dependability during unattended operation.

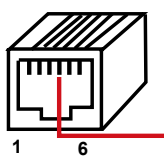


• Two Digital I/O with 12V power for cash drawer

IBX POS PC is equipped with a digital I/O RJ-12 12V port that provides extension for peripherals such as a cash drawer device, lamp, alarms etc.



Cash Drawer RJ-12 Pin Assignments



Pin	Assignment
1	Ground
2	CASH_1 (Digital Out Programmable)
3	Digital IN
4	+12V
5	NC
6	Ground

IEI ISMM cash drawer status monitoring



IEI also provides a quick and easy tool to develop cash drawer application for POS program

Free ISMM API Support

EP-308A Mini POS PC



For small and medium business, a compact and efficient POS system is the perfect match. IEI's new EP-308A Mini POS is just the right POS system for all the small and medium business owner!

EP-308A using the Intel® Atom™ processor, it consumes less power while still achieving high performance. This POS PC has a built-in 2" thermal printer and wireless LAN, and is ideally suited as the main POS system in a small to medium sized business, allowing the business owner to easily manage the business transactions and records. The small footprint EP-308A is perfect for any environment installation.

Feature

- 8" Mini POS with Intel® Atom™ processor
- Small footprint satisfies limited space requirements
- Extendable connections for peripheral devices
- Built-in 2" easy-loading thermal printer
- Built-in resistive touch screen
- Optional 802.11 b/g wireless LAN
- IP-64 compliant front panel

Built-in 2" Easy-Loading Thermal Printer with auto-cutting

---High Speed Thermal Printer
The built-in printer can print a 100 mm/s (800 dot lines/s) maximum.

---Auto Cutter
The built-in printer supports paper full cut or partial cut according to user selection.

---Easy Paper Setting
Paper can easily insert and auto loading is also available. When the paper jam, simple take the paper roll out and put it back.





Optional 802.11 b/g wireless LAN support

With the optional wireless LAN module installed, the POS can connect to an order taking machine and pass the information from the waiter to the kitchen. This speeds up service, shortening customer waiting time and speeding up food preparation.



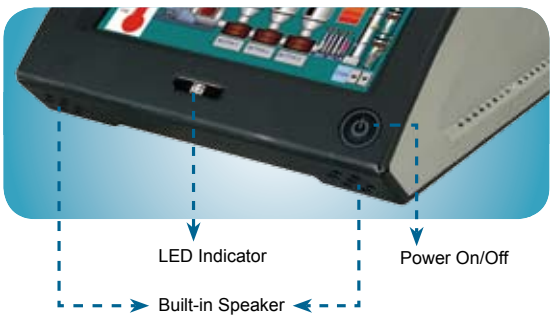
Order is taken and transferred to the kitchen via WiFi. The EP-308A can print out the order details in the kitchen.

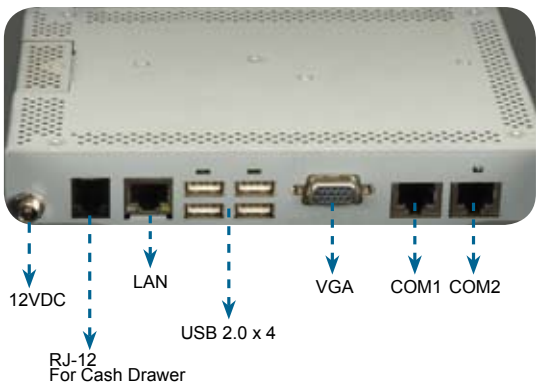


Specifications

Model	EP-308A-N270-R10
LCD Size	8"
Resolution	800 x 600
Brightness (cd/m²)	300
Contrast Ratio	400:1
LCD Color	262K
Pixel Pitch (mm)	0.2025(H) x 0.2025(V)
Viewing Angle (H-V)	130/110
Backlight MTBF	30000
CPU	Intel® Atom™ 1.6G N270 processor
Chipset	Integrated in Intel® 945GSE
Graphic	Integrated in Intel® 945GSE
RAM	Built-in 1GB DDR2 memory System support 1 x 200 pin Dual Channel DDR2 677MHz up to 1GB
I/O Ports	1 x RJ45 RS232 COM Port 1 x RJ45 RS232/422/485 COM Port 1 x RJ12 Cash Drawer 1 x Giga LAN 4 x USB 2.0 1 x Power Button (Front Panel) 1 x Power Jack 1 x Reset switch 1 x AT/ATX switch
HDD Drive Bay	1 x SATA HDD
SSD Drive Bay	1 x CFII
Audio	AMP 1.5W + AMP 1.5W
Construction Front Panel	ABS + PC Plastic front frame
Contruction Chassis	Aluminum Chassis
Power Adapter	FSP150-AAAN1703, VAC:90~264V, 24V/120W
LED Function	1 x LED on Front Panel for Power ON/OFF
Touch Screen	Resistive Type -5Wire
Printer	Built-in 2" thermal printer with Auto-cutting
Operation Temperature (°C)	0°C~40°C
IP Level	IP64
Safety & EMI	CE / EMC / FCC / CB /CCC

I/O Interface





AFL-12B/15A-LX Light POS PC

- Fanless design for rigorous environments
- Customer-friendly self-service solutions
- All-in-one easily maintained system
- Versatile mounting suits diverse applications
- Selectable AT or ATX power mode
- Built-in 1.5W speakers
- IP 64 front panel protection withstand harsh environment





Feature 1 Space-saving System





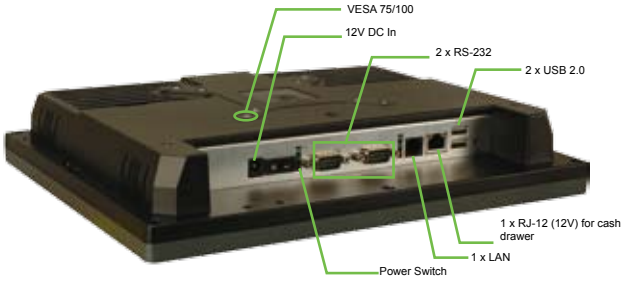


	General POS system with separate parts occupy space	AFOLUX POS Panel PC System
Building Cost	High	Low
Maintenance	Complicated	Easy
Appearance	A POS system with lots of cables and peripherals	Simple, slim and luxurious
Space Occupy	High	Low

WIN!

Feature 2 Flexible connections for peripherals

The AFOLUX POS PC supports full I/O and is equipped with various connectors for different peripherals.



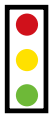
- One cash drawer port via RJ-12 with 12 V power



The AFOLUX POS is equipped with a digital I/O RJ-12 12 V port that provides extension for peripherals such as a cash drawer devices.

- Two RS-232 with selectable RI/5V/12V

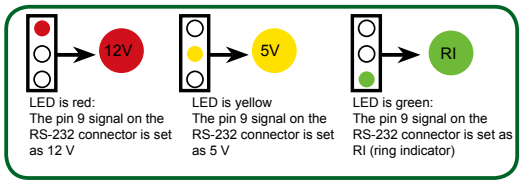




LED Indicator for identifying power selected by jumper

Convenient Jumper Setting in front of the rear

Since the peripherals require a +5V/+12VDC RS-232 connection, set the corresponding I/O COM port voltage output on pin-9 to +5V/+12V through the switch in front of the rear.



- Two USB ports for peripheral connectivity



Optional MSR and MSI

1 Magnetic Card Reader
2 Smart Card Reader
3 Optional iButton





1 Magnetic Card Reader
- Credit card data collection
- Membership card



2 Smart Card Reader
- Storage Card



3 iButton

Each iButton.has a unique serial number and it is unalterable serial number. It can be used as a key or identifier for
- Access controls for POS terminal
- eCash transactions

The iButton can be used to store cash for small transactions

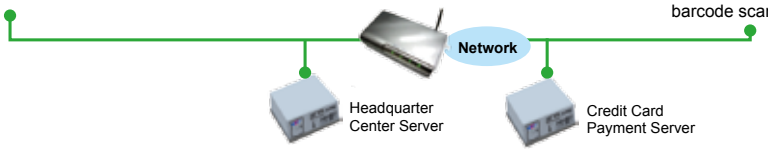
Feature 3 Built-in 802.11b/g wireless module

The integrated PIFA antenna on the AFOLUX POS panel PC ensures uninterrupted wireless connection in retail stores and restaurants. The wireless option reduces cable costs and enables more devices to be connected to transmit transaction or inventory data in real time.

Wireless 802.11 b/g



Restaurant	Transportation	Retail
Handheld computers/PDAs to take order	Mobile Coffee Shop	Real-time inventory checking with handheld barcode scanner



Feature 4 Fanless System

Fanless

The AMD Geode™ LX 800 processor generates less heat. AFOLUX POS models with AMD Geode™ LX 800 are high-performance fanless platforms.

Feature 5 IP 64 Front Panel Compliance

IP 64

IP 64 compliance guarantees the front panel is dustproof and water-proof for harsh environments.

Feature 6 POS Stand

- All-in-one design ideal for public applications



STAND-POS12
(For AFL-12B-LXPOS)



STAND-POS15
(For AFL-15A-LXPOS)

- Easy Remove and Installation Design



- Easily arrange the cables inside the stand



EP-162 & EP-165 POS PC





The EP-162/165 POS system is a 12"/15" all-in-one touch POS system. With the fanless or external fan design, the EP series provides outstanding computing performance and low-power consumption for diverse POS applications.



EP-162 Series



EP-165 Series

- Second displays support including digital signage, monitor and VFD display.
- Full I/O interface for peripherals
- Smart mechanical design
- Dust-proof CPU Protection
- Heat-dissipated Aluminum Chassis
- IP-64 Compliant Front Panel
- Wireless Communication Enabled

EP-162/165 Series Product Line

Fanless

CPU	Chipset Platform	LCD Size	Model
Celeron® M	910GMLE	12"	EP-162-910
		15"	EP-165-910
Celeron® M Core™ Duo (Pentium® M/ Core™ Duo/ Core™2 Duo Supported)	945GME	12"	EP-162-945
		15"	EP-165-945

Optional CPU Selection Guide (for 945GME model)

CPU Brand Name	Generation	CPU No.	Clock Speed (GHz)
Core™ 2 Duo	Merom (Napa Refresh)	T/L/U7xxx T/L/U5xxx	From 1.06 GHz to 2.33 GHz
Core™ Duo Core™ Solo	Yonah	T/L/U2xxx T/L/U1xxx	From 1.06 GHz to 2.33 GHz
Celeron® M	Merom (Napa Refresh)	5xx	From 1.06 GHz to 2.00 GHz
	Yonah	4xx	



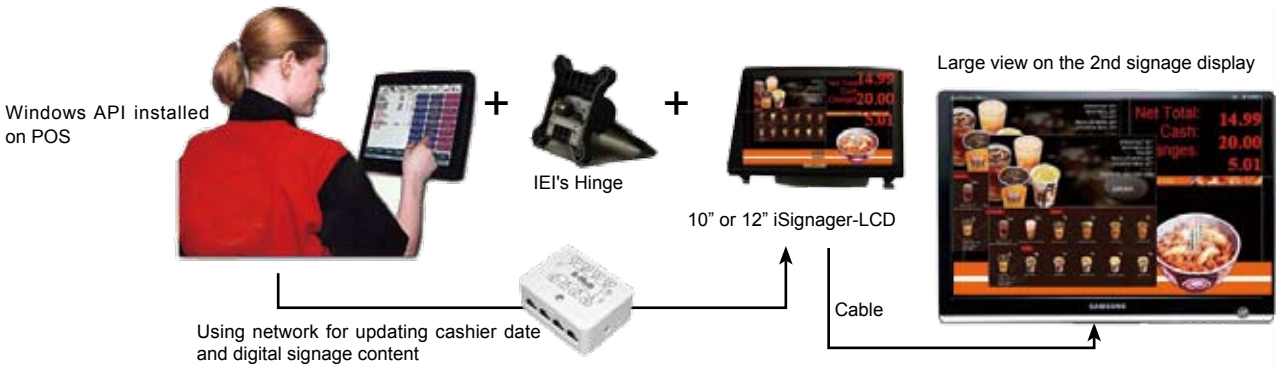
Feature 1 Support Second Display

The EP series POS supports second independent display.
The supported display devices include

- iSignager-LCD
- AFOLUX Monitors
- IEI's VFD solution
- Other displays compatible with VESA 100 mm mounting standard

• iSignager-LCD

The EP series POS supports 10" and 12" iSignager-LCD. IEI provides Windows API for users to integrate with their own POS program for updating the real-time POS information displayed on the iSignager-LCD. With this integration, the iSignager-LCD provides digital signage and VFD functions at the same time.



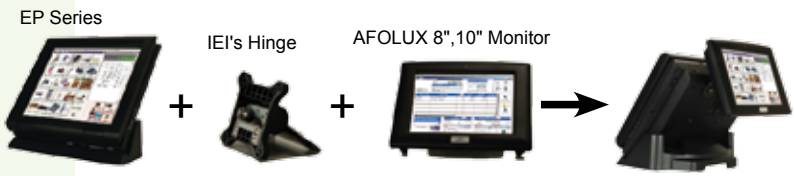
• VFD Display

IEI offers two types of VFD as following



• AFOLUX Monitor

IEI's AFOLUX series monitors supports 4-in-1 multiple video inputs including S-Video, composite video, component video and VGA.

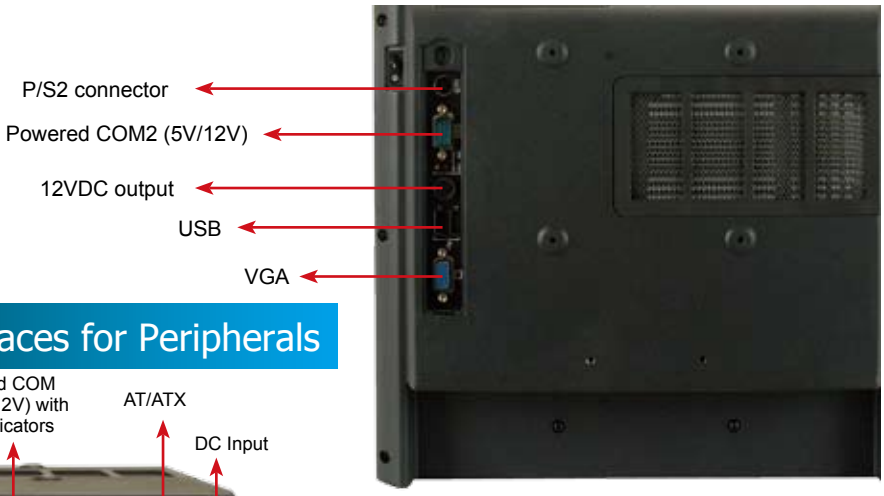




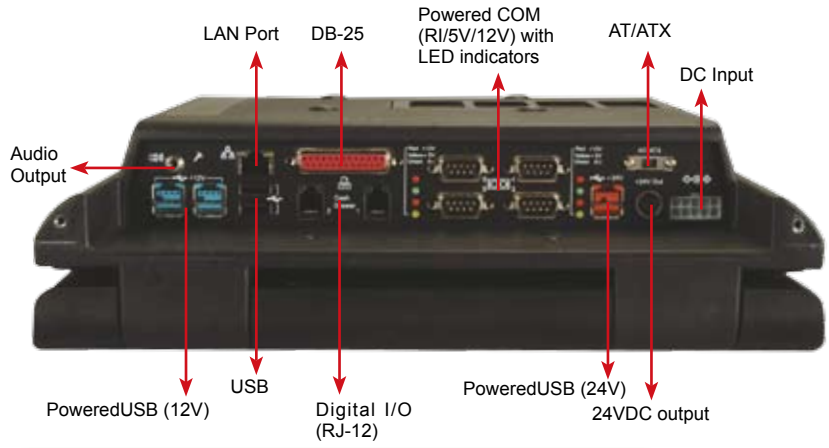
• Other Displays

The EP series POS supports other displays compatible with VESA mounting standard (100mm x 100mm) on the rear panel.





Feature 2 Full I/O Interfaces for Peripherals



EP series POS is equipped with full I/O interfaces for easy connecting with different peripherals. The connections can be either via the rear panel or the bottom panel.

• Powered COM Port with LED Indicator

The voltage of the powered COM port is selected by configuring the onboard jumper. Each powered COM port has a set of LEDs to indicate the current output voltage. This prevents plugging a device that doesn't need power into the port.

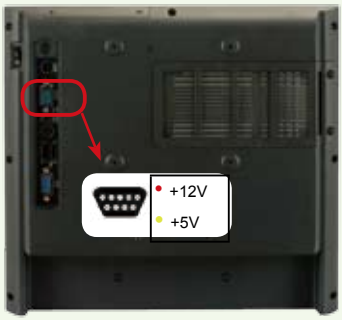
• Identify LED color:

12V	The voltage supplied from the port was set as 12V
5V	The voltage supplied from the port was set as 5V
RI	The voltage supplied from the port was set as RI (ring indicator)

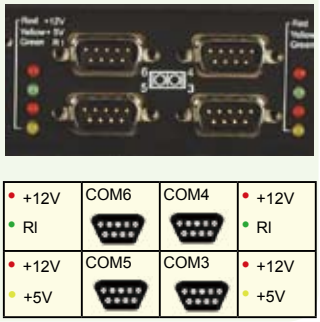


The output voltage of the powered COM is selectable respectively by opening and shorting the control pins onboard.

• On the rear panel



• On the bottom panel



• PoweredUSB with 5V/12V/ 24V supply

The EP-162/165 POS is equipped with the convenient PoweredUSB interface which is widely used in peripherals of POS system such as receipt printer, barcode scanner, pin pad, and payment terminal.



• Two Digital I/O with 12V/24V power supplies

EP-162/ 165 POS is furnished with two digital I/O RJ-12 with selectable 12V/ 24V power that provides expansion for cash drawers.

- Extended power supply for 5V/ 12V/ 24V peripherals

Extra connectors with 5V/ 12V/ 24V power are available on both POS I/O interface panels and power adapter for peripheral devices.

• On the Rear Panel



• On the Bottom Panel



• ACE-D825A-H-RS



- AT/ ATX Power Mode Selection

The EP-162/165 POS provides AT and ATX power modes for users to choose the best solution for their applications by simply switching the button on the I/O.





AT Power Mode, system powered on/off by central plug, is suitable when the EP-162/ 165 is mounted on the wall.



ATX Power Mode allows the computer to be turned on/off via software or network. In ATX mode, the system goes into standby mode when not in use. It is ideal for power saving.

Feature 3 Wireless Communication Enabled

The EP series POS supports 802.11 a/b/g WiFi connections in business environment.



Feature 4 Windows® OS support

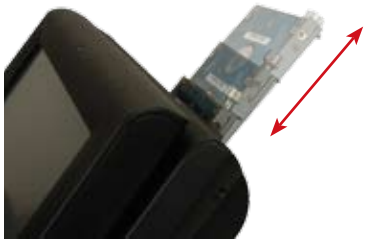
IEI offer the OS image for the EP Series POS including Windows XP Embedded, Windows Embedded CE and WEPOS.

Windows XP Embedded Windows Embedded CE Windows Embedded for Point of Service

Feature 5 Smart Mechanical Design

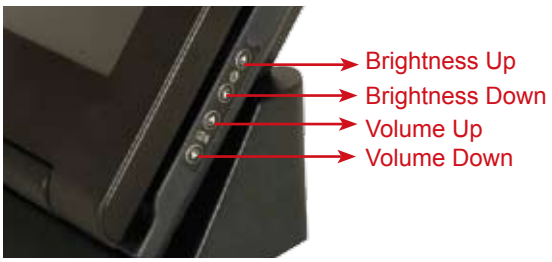
- **Easy-to-Swap SATA Hard Disk Drive**

The special designed HDD slot makes it easy to swap SATA HDD



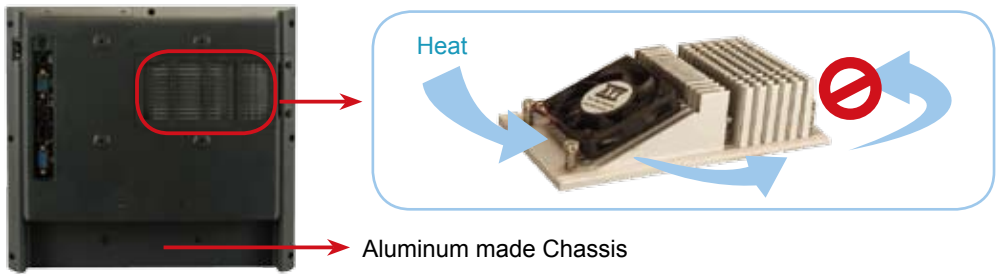
- **Contrast and Volume Control Buttons**

Contrast and Volume Control Buttons on the right side panel are easily reached and adjusted the brightness and volume.



- **Dust-proof CPU Protection**

The dust cover keeps dust out of the system, while still allowing the necessary heat dissipation.



- **Optional CF Card Storage**

The EP Series POS supports CompactFlash Card storage.



- **Adjustable Swivel Angle for the Best View**

The viewing angle of the EP series monitor is adjustable. With this special hinge design, the monitor displays content clearly at anytime, even when it is wall mounted.



• Adjustable front panel over 120°



• Adjustable second display for 45°

- **Built-in Speakers**

The EP series POS pre-install with two 3 Watt speakers at the customer side.



Feature 6 Various Mounting Solutions for Diverse Environment

- **Wall-mounting**



- **POS Stand**

