



# EP-265 Series All-in-One POS System



EP-265 Series  
**15" LCD**



The EP-265 is the multi-functions all-in-one POS system and it's ideal for retailer or hospitality. The ability to support second display, such as VFD, second monitor and digital signage, the EP-265 enables the dynamic advertisements and information delivered to the customer. In addition, the modular construction design is easy to assemble/ disassemble the system and to reduce the time on maintenance and service. The EP-265 POS system is quipped with the full I/O interface to easy connections to all kinds of peripherals.

15" Touch Screens with a tilt angle from 20 ~ 90° offers you maximum flexibility and convenience. The stylish and fancy outlook EP-265 POS system is excellent for any business and offer a sense of fashion.

## EP-265 Series



### Features:

- Modular construction design for easy maintenance
- Support second display with adjustable swivel angle
- 20-90° adjustable main display
- Effective Heat Dissipation System
- I/O interface for easy peripherals connection
- Two 2.5" SATA hard disk bays and one CompactFlash card slot for storage
- IP-64 compliant front panel

### Fan-less

### Fan-less

Model	EP-265E-910	EP-265E-N270
LCD Size	15"	15"
CPU	Intel® Celeron® M 1GHz/ 512KB L2 cache	Intel® Diamonville-SC N270 (Atom 1.6G)
Chipset	Intel® 910GML+ ICH6-M	Intel® 945GSE + ICH7M
Memory	Built-in 1GB DDR2 memory, supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB	Built-in 512MB DDR2 memory, supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB
Max Resolution	1024 x 768	1024 x 768
Brightness (cd/m <sup>2</sup> )	250	250
Contrast Ratio	600:1	600:1
LCD Color	16.7M	16.7M
Touch Screen Type	Resistive Type 5-Wire	Resistive Type 5-Wire

## Feature 1

# Modular Construction Design

The EP-265 all-in-one POS system consists of three sections, the LCD module, the support pole module, and the main board module. Users can simply replace each module if any part needs repair. The modular design reduces the total cost on maintenance and after-sale service.



## Feature 2

# Free-to-Adjust Display

IEI introduces the unique design of the free-to-adjust pole stand for second displays. The pole stand allows up and down, left and right ( $-45^{\circ}$  to  $45^{\circ}$ ) angle adjust. The second display can always face toward to the customers for the best view. In addition, the main monitor is also adjustable.



► Angle adjust between  $20^{\circ}$  to  $90^{\circ}$

▼ Left and right ( $-45^{\circ}$  to  $45^{\circ}$ ) angle adjust

▼ Up and down angle adjust





**Feature 3**

## Second Display Ready

To maximize the sales revenue in the competitive business environment, the high density in-store promotion is an burgeoning marketing method. One of the implementation is the advertisement on second display at the point-of-sales.

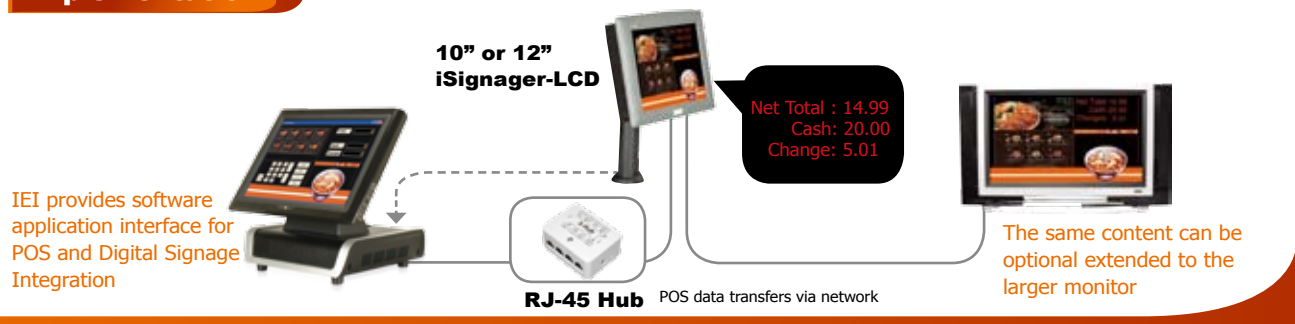
IEI EP-265 POS system allows various second displays, including digital signage, second monitor, and VFD.

- **iSignager Digital Signage**

IEI iSignager-LCD is an independent exercising digital signage display. IEI provides software application interface for users to integrate their own POS program to communicate with the iSignager-LCD and display the real-time POS data on the iSignager-LCD. The independent digital signage will not interrupt the POS system. In addition, the iSignager-LCD combines the digital signage and VFD dual functions together.



**Implementation**



- **VFD Display**

IEI offers VFD display with pole stand for user's options. The in-house design VFD perfectly match to the outlook of EP-265/267 POS and present the sense of style.

- **AFOLUX Monitor**

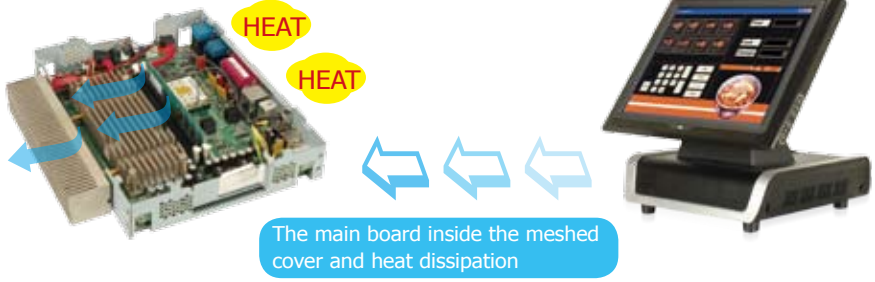
IEI AFOLUX monitor supports multiple video inputs for rich contents from TV Box, DVD players or CCD camera.



**Feature 4**

## Effective Heat Dissipation System

The EP-265/267 POS System is an effective heat dissipation system. The heat sink on the main board works together with the heat pipe to transfer and dissipate the heat from the POS system. The heat flow out the system via the front meshed cover and make the POS system stable and reliable.





## Feature 5

# Extensive I/O Interface

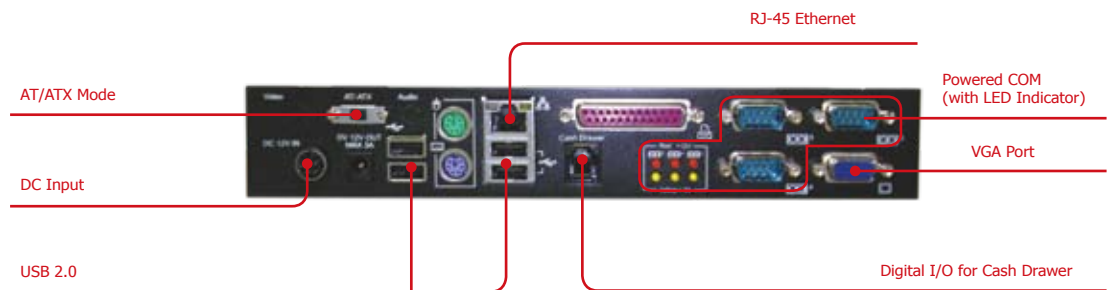
EP-265 POS system provides the comprehensive I/O interface on both the rear panel and the bottom panel. The bottom panel I/O interface is ideal for the long-lasting peripherals connections and the rear panel I/O is for the often plug-and-play accessories with the easy access.



### EP-265E-910



### EP-265E-N270



#### • Powered COM port with LED Indicator

Total 4 Powered COM ports are available on the EP-265 POS system. Each powered COM port has a set of LED indicator to show the current voltage setting, either 5V in Yellow LED or 12V in Red LED. The LED indicator gently remind the users and prevent unmatched device plug-in unconsciously.



The powered USB on the bottom panel is selectable by opening and shorting the control pins onboard



The powered USB on the rear panel is selectable by the jumper switch

#### • PoweredUSB for peripherals

Most POS peripherals are designed with USB connectors and requires the power supply from the POS system. The EP-265 are equipped with 5V/12V/24V PoweredUSB to fulfill user's demands for peripherals connections.



• **USB 2.0**  
2 pcs on rear panel  
2 pcs on bottom panel



• **12V PoweredUSB**  
1 pcs on rear panel  
1 pcs on bottom panel



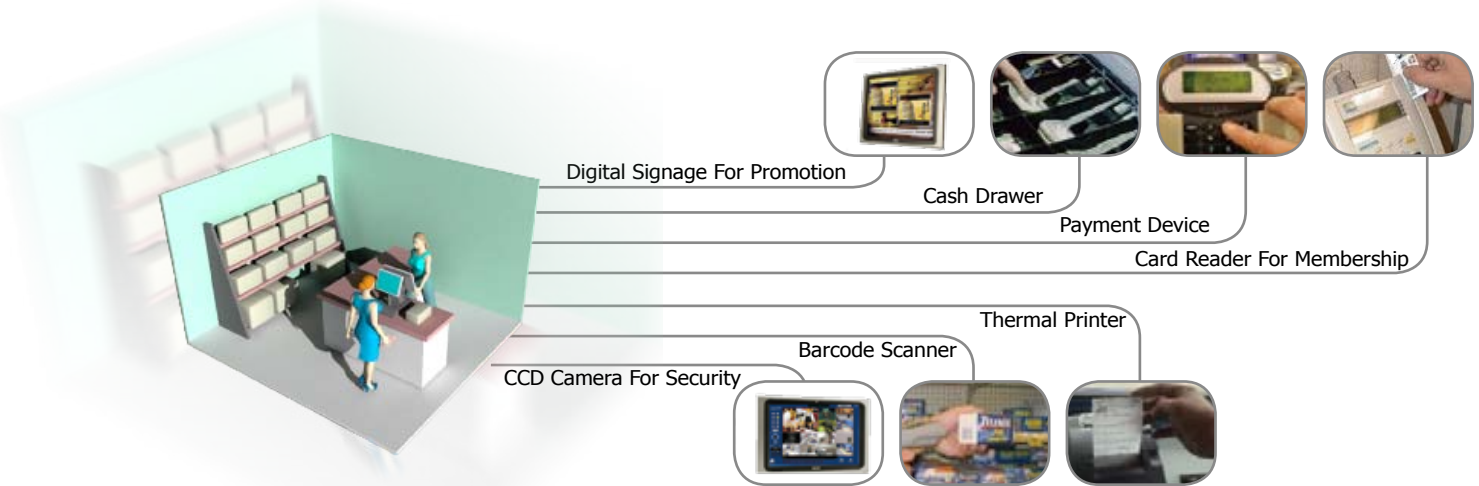
• **24V PoweredUSB**  
1 pcs on bottom panel

- Digital I/O for Cash Drawer

The EP-265/267 POS system is furnished with two digital I/O (RJ-12) for cash drawer connections.

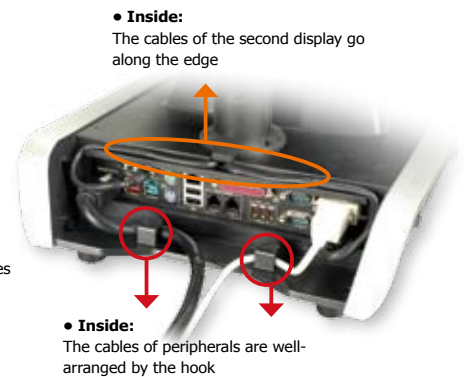


- Extend your service by add-on peripherals



- Well-organized cable management

The considerate I/O connection design allows device cables to be hidden inside the system base and therefore enhances the cable management.

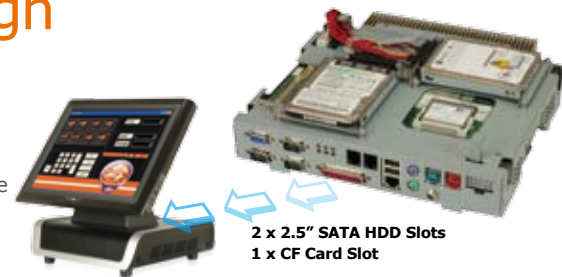


**Feature 6**

## Unique Mechanical Design

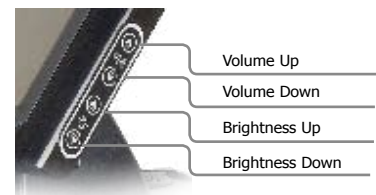
- Easy-to-swap Hard disk and CF card

Easy maintenance is one of the top criterion for the POS system. The EP-265/267 POS system introduce the easy-to-swap two 2.5" SATA hard disks and CompactFlash Card slots for users change the storage devices in a quick way.



- Contrast and Volume Control Buttons

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



- LED Light-on Logo

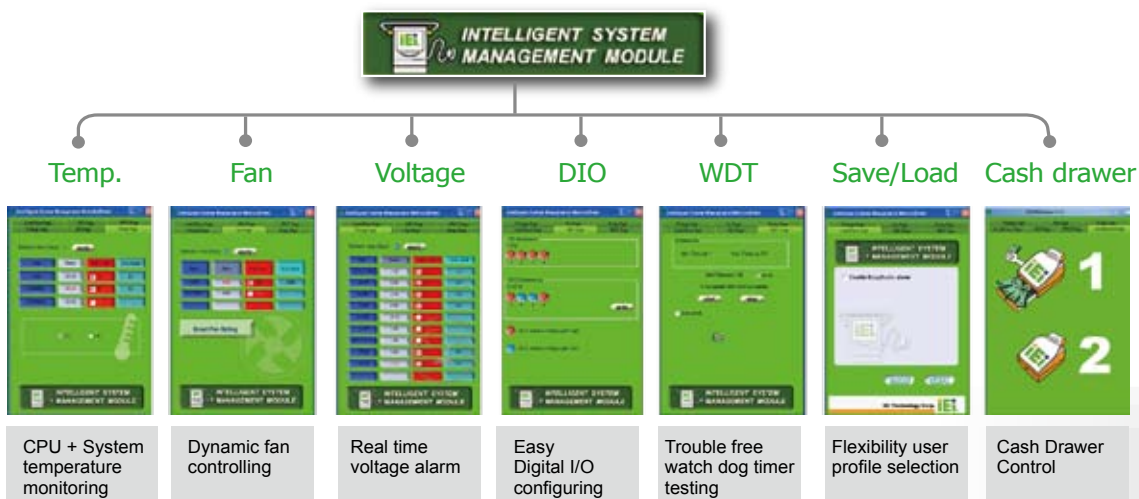
The LED Indicator is furnished inside the IEI logo. When the POS system is power on, the logo shows the blue light. When the POS system is power off, the logo is with orange light.



Blue when Power On

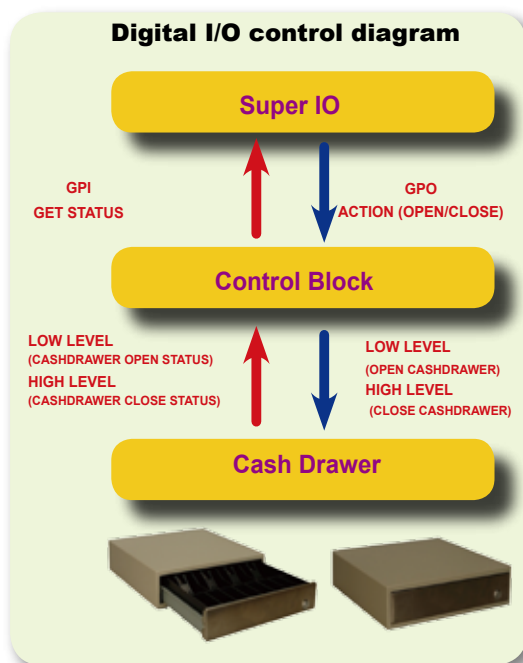
# Supervision Utility for POS Solution

IEI ISMM is a system health supervision API which utilizes sensor chips on IEI motherboards to track system and CPU temperatures, voltages, cooling fans, WDT and Digital I/O set up status. By quickly catching and feedback system health data, users can prevent disasters such as system instability or damage.

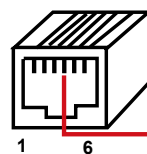


## • Two Digital I/O with 12V power (Cash Drawer Port)

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

# Optional Peripherals

## • iSignager-LCD



Model	EPP-26-ISIGNAGER-LCD-10-R10	EPP-26-ISIGNAGER-LCD-12-R10	
<b>LCD</b>	<b>LCD Size</b>	10.4"	12.1"
	<b>Max Resolution</b>	800 x 600	1024 x 768
	<b>Brightness (cd/m<sup>2</sup>)</b>	400	450
	<b>Contrast Ratio</b>	500:1	700:1
	<b>LCD Color</b>	16.2M	262K
	<b>Pixel Pitch (mm)</b>	0.264 (H) x 0.264 (V)	0.240 (H) x 0.240 (V)
	<b>Viewing Angle (H-V)</b>	120/100	160/160
	<b>Backlight MTBF</b>	50000 hours	50000 hours
<b>I/O interface</b>	<b>Video In/ Audio In</b>	1 x RCA for composite video in 1 x 3.5mm phone jack for audio in	1 x RCA for composite video in 1 x 3.5mm phone jack for audio in
	<b>USB</b>	1 x USB 2.0	1 x USB 2.0
	<b>Ethernet</b>	1 x 10/100mBase-T	1 x 10/100mBase-T
	<b>Wireless</b>	802.11 b/g wireless	802.11 b/g wireless
	<b>Serial Port</b>	1 x RS-232	1 x RS-232
	<b>Audio out</b>	built-in 2 x AMP 1.5W speaker 1 x 3.5mm audio phone jack	built-in 2 x AMP 1.5W speaker 1 x 3.5mm audio phone jack
<b>Power</b>	<b>Input Voltage</b>	12VDC in	12VDC in
	<b>Power adapter</b>	60W ACDC Power Adapter 90VAC~240VAC @50~60Hz input	60W ACDC Power Adapter 90VAC~240VAC @50~60Hz input
	<b>Consumption</b>	27W	27W

## • AFOLUX Monitor



Model	EPP-16-AFL-08M	EPP-16-AFL-10M
<b>LCD Size</b>	8.4"	10.4"
<b>Max Resolution</b>	800 x 600	800 x 600
<b>Brightness (cd/m<sup>2</sup>)</b>	450	400
<b>Contrast Ratio</b>	500:1	500:1
<b>LCD Color</b>	262K	16.2M
<b>Pixel Pitch (mm)</b>	0.213 (H) x 0.213 (V)	0.264 (H) x 0.264 (V)
<b>Viewing Angle (H-V)</b>	120/100	120/100
<b>Backlight MTBF</b>	50000	50000
<b>Input Video Signal Connector</b>	1. Composite (NTSC/ PAL) 3. S-Video	2. YpPr 4. VGA
<b>Audio In</b>	AMP 1.5W + AMP 1.5W (internal speaker)	
<b>Extension</b>	IR Sensor (Remote Control)	
<b>Construction Front Panel</b>	ABS and PC Plastic front frame	
<b>Construction Chassis</b>	Aluminum Chassis	
<b>Power adapter</b>	36W	
<b>On Screen Display (OSD)</b>	Remote Control for OSD Functions	
<b>User's Control</b>	Image (Brightness, Contrast, Sharpness) Display (Auto Adjust, Phase, Clock, Display Control) PIP (PIP On/Off, PIP Input Select, PIP Size, PIP Color Contrast, Blend) Color (Auto Color, Color Temperature, sRGB) System (Audio, Factory Reset, Information, Input Select, Misc)	
<b>Mounting</b>	Wall Mounting (VESA 75 x 75 mm)	
<b>Operation Temperature</b>	0°C~50°C	0°C~50°C
<b>Dimension (WxLxD)</b>	233.86 x 183.86 x 41.09 mm	276 x 227 x 50.7 mm
<b>Net Weight</b>	1.14 KG	1.33 KG
<b>Front Panel Protection</b>	IP64 Compliant	
<b>EMC/Safety</b>	CE, FCC, UL, CCC	

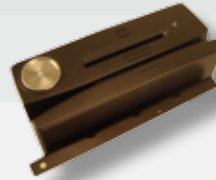


## • Magnetic Card Reader



- 90mm Magnetic Strip Reader
- Read track: ISO 1,2 , 3 (IATA, ABA, THRIFT.MINTS)
- Card Standard: ANSI, ISO, ABA
- Power Requirement: +5VDC +/- 5%
- Reading Indicator: Beeper
- Operating Temperature: 0 - 40 degree C
- Relative Humidity: 20% to 85% (Non-Condensing)
- Cable Straight 5ft.
- Interface: USB

## • Smart Card Reader



- Magnetic Card: ISO 7811, AAMVA, DMV, JIS-II
- Smart Card: ISO 7816, EMV
- Power Requirement: +5VDC +/- 5%
- Reading Indicator: Beeper
- Operating Temperature: -10 - 55 degree C
- Relative Humidity: 10% to 90% (Non-Condensing)
- Cable Straight 5ft.
- Interface: USB

## • Barcode Reader



Scan Performance	Depth of Scan Field	0 -140 mm (0"-5.5") for 0.33mm (13mil) bar codes
	Width of Scan Field	49mm (1.9") @ face; 195mm (7.7") @140mm (5.5")
	Scan Speed	72 scan lines per second
	Scan Pattern	Single scan line
	Minimum Bar Width	0.102 mm (4 mil)
	Print Contrast	35% minimum reflectance difference
	Roll, Pitch, Yaw	42°, 68°, 52°
Mechanical	Length	169 mm (6.7")
	Weight (w/o Cable)	97g (3.41 oz)
	Termination	10 pin modular RJ-45
	Cable	Standard 1.5m straight; optional 2.7m coiled
Electrical	Input Voltage	+5V DC +0.25V
	Power	675mW
	Operating Current	135mA@ 5VDC
	System Interface	USB

## • Cash Drawer



Drawer	Heavy duty metal drawer with keylock
Casing	Robust metal construction
Front Panel	Robust metal construction
Lock	3 Position
Bill Tray	Separate coin tray removable from the bill tray. Adjustable dividers for four or five compartments
Coin Tray	Separate coin tray removable from the bill tray. Adjustable dividers for up to eight compartments
Slip Deposit Slot	Front access slot for check, credit card receipt, or any paper
I/O interface	6-pin RJ-12 phone jack for EPSON printer compatible
Solenoid	12V for 6 pin RJ-12 phone jack interface
Dimensions (WxLxH)	410 x 415 x 100 mm
Net Weight	6.8 KGs

# Optional Peripherals

## • Customer Display



Multi-language support, including USA, France, Germany, UK, Sweden, Denmark I & II, Italy, Spain, Norway, Japan (Kayakana), Slavonic, Russian, etc....

Display	Vacuum Fluorescent Display Green
Display Pattern	5 x 7 dot matrix
Brightness	350- 700 cd/m2
Character	95 Alphanumeric & 32 International Characters
Dot Size (X x Y)	0.86 mm x 1.2 mm
Font Size	5.25 (W) x 9.3 (H)
Character Number	20 x 2 for 5 x 7 font
Command	LD-220, EPSON POS D101, Aedex, UTC/S, UTC/P, ADM788, DSP800, CD5220, EMAX, LOGIC CONTROL
Dimension (Panel)	220 X 50 x 86 mm
Dimension (Support)	Two supports per package. Per support 130mm
Dimension (Base)	217 x 106 x 20 mm
Viewing Angle	Max 90°
Horizontal Rotation	Max 360°
Interface	USB
Power Source	+5V DC

## • VFD Customer Display



Display Pattern	5 x 7 dot matrix
Brightness	350- 700 cd/m2
Character	96 Alphanumeric & 13 International Characters 1 user define character
Character Size (X x Y)	9.0 mm x 5.25 mm
Font Size	5.25 (W) x 9.3 (H)
Character Number	40 characters (20 columns x 2 lines)
MTBF	25000 hours (power on time)
Dimension (Panel)	215 X 84 x 55 mm
Operating Temperature	5- 45 °C
Operating Humidity	30% - 85%
Storage Temperature	-10- 55°C
Storage Humidity	10% - 85%
Power Source	+5V DC
Power Consumption	3-6 W

## • Thermal Printer



Print Method	Direct thermal line printing
Casing	9x17/ 12x24 64/48 Columns 95 Alphanumeric; 32 Interenation; 128x7 graphics Traditiona/ Simplified Chinese, Japanese UPC-A, UPC-E, JAN8 (EAN8), JAN (EAN13), CODE 39, CODE 93, CODE 128, CODABAR
Print Speed	180mm/ sec (60 lps) max
Data Buffer	96 Kbytes or 2k bytes
Interface	RS 232C (32K)
Paper Dimensions	Thermal roll paper: 79.5 +/-0.5 x dia 83.0 mm
Paper Thickness	0.06 to 0.12 mm
Power	24VDC +/-7%
Current Consumption	Approx 2.0A (mean)
Overall Dimensions	146 (W) x 197(D) x 145 (H) mm
Power Adapter	Input 100-240V AC, Output 24VDC, 60W max.

# Specifications



Model	EP-265E-910	EP-265E-N270
<b>LCD Size</b>	15"	15"
<b>CPU</b>	Intel® Celeron® M 1GHz / 512KB L2 cache	Intel® ATOM N270 1.6GHz
<b>Chipset</b>	Intel® 910GML + ICH6-M	Intel® 945GSE + ICH7M
<b>Graphic</b>	Integrated in 910GML with DB-15 VGA output	Integrated in 945GSE with DB-15 VGA output
<b>Memory</b>	Built-in 1GB DDR2 memory system supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB	Built-in 512MB DDR2 memory system supports 2 x 240 pin dual channel DDR2 400/533MHz up to 2GB
<b>Max Resolution</b>	1024 x 768	1024 x 768
<b>Brightness (cd/m<sup>2</sup>)</b>	250	250
<b>Contrast Ratio</b>	600:1	600:1
<b>LCD Color</b>	16.7M	16.7M
<b>Pixel Pitch (mm)</b>	0.297(H) x 0.297(V)	0.297(H) x 0.297(V)
<b>Viewing Angle (H-V)</b>	160 / 160	160 / 160
<b>Backlight MTBF</b>	40000 hrs	40000 hrs
<b>Touch Screen</b>	Resistive Type 5-Wire, Support RS-232 interface. Capacitive Type supported by order	Resistive Type 5-Wire, Support RS-232 interface. Capacitive Type supported by order
<b>HDD</b>	2 x 2.5" SATA HDD Bay	2 x 2.5" SATA HDD Bay
<b>SSD</b>	1 x CF Type II slot	1 x CF Type II slot
<b>I/O Interface</b>	<b>Display</b>	1 x VGA Port
	<b>PoweredUSB</b>	<b>7 x USB 2.0 :</b> 2 x 5V PoweredUSB on the rear panel 2 x 5V PoweredUSB on the bottom panel 1 x 12V PoweredUSB on the rear panel 1 x 12V PoweredUSB on the bottom panel 1 x 24V PoweredUSB on the bottom pane
	<b>Powered COM</b>	<b>4 x COM Port with LED indicators :</b> 3 x 5V/ 12V Powered COM on the bottom panel (COM3/ COM4/ COM5) 1 x 5V/ 12V Powered COM on the rear panel (COM1)
	<b>Cash Drawer Port</b>	2 x 12V/ 24V RJ-11 connectors for cash drawer
	<b>LPT</b>	1 x DB-25
	<b>LAN</b>	1 x giga LAN
	<b>Audio</b>	3W + 3W amp. audio jack on the bottom
	<b>Power Switch</b>	1 x 12V / 24V 2x5 pin DC-IN Power Jack 1 x Power Switch with LED on Front Panel
	<b>Quick Buttons</b>	Brightness & Volume control
	<b>Power</b>	<b>Adapter</b>
<b>Input</b>		12V/24V DC in
<b>Output</b>		12VDC at 4.0A
<b>Consumption</b>		66W
<b>Construction</b>	ABS + PC Plastic Front Frame Aluminum Alloy Chassis	ABS + PC Plastic Front Frame Aluminum Alloy Chassis
<b>Color</b>	Black	Black
<b>Operation Temperature</b>	0~40°C	0~40°C
<b>IP Level</b>	IP64 (Front Panel)	IP64 (Front Panel)
<b>Safety &amp; EMI</b>	CE / EMC / FCC / CB / UL	CE / EMC / FCC / CB / UL
<b>Dimension (WxHxD)</b>	373 x 390 x 335 mm	373 x 390 x 335 mm
<b>Net Weight</b>	8.30 Kg	8.30 Kg

# EP Series POS



Part No.	Description
EP-265E-910-10G/T-R/1GB-R10	15" 250cd/m <sup>2</sup> XGA POS PC with Celeron® M 1.0GHz 512K cache CPU, 1GB DDR2 RAM, touch screen, RoHS
EP-265E-N270/T-R/512MB-R10	15" 250cd/m <sup>2</sup> XGA POS PC with Intel® Atom™ N270 1.6GHz, 512MB DDR2 RAM, Resistive touch screen, RoHS

## Optional Peripherals

	Model no.	Description
AFOLUX Monitor	EPP-26-AFL-08M (Note 1)	8.4" 450cd/m <sup>2</sup> high luminance SVGA LCD monitor with bracket for EP26X Series POS,RoHS
	EPP-26-AFL-10M (Note 1)	10.4" LCD Monitor with bracket for EP26X Series POS,RoHS
iSignager Digital Signage	EPP-26-ISIGNAGER-LCD-10-R10 (Note 1)	10" all-in-one Network Digital Signage Display, 400cd/m <sup>2</sup> brightness, built-in 802.11b/g wireless, 10/100M LAN, 2 x 1.5W speaker,with bracket for EP-26X Series, remote control, 1GB CF card, 60W power adaptor, Gray, RoHS
	EPP-26-ISIGNAGER-LCD-12-R10 (Note 1)	12" all-in-one Network Digital Signage Display, 450cd/m <sup>2</sup> brightness, built-in 802.11b/g wireless, 10/100M LAN, 2 x 1.5W speaker, with bracket for EP Series, OSD remote control, 1GB CF card, 60W power adaptor, Gray, RoHS
VFD Customer Display	EPP-26VFD-U	Vacuum fluorescent customer display With bracket and stand for EP-26X series, 40 characters 20 columns x 2, USB interface,ROHS
	AFLP-CDB01	Customer Display, VFD. 5x7 dot matrix, RS232, black color
	AFLP-CDW01	Customer Display, VFD. 5x7 dot matrix, RS232, white color
Cash Drawer	AFLP-CB01-12V	Cash drawer, 12V DC input, 6-pin RJ-12 phone jack, black color
	AFLP-CW01-12V	Cash drawer, 12V DC input, 6-pin RJ-12 phone jack, white color
Bar Code Reader	AFLP-BRB01-U	Single-line, hand-held laser scanner, black color
	AFLP-BRW01-U	Single-line, hand-held laser scanner, white color
MSR (Magnetic Stripe Reader)	EPP-265MSR-U	Magnetic Stripe Reader with bracket for EP-265X Series POS,USB interface,ROHS
MSI (Magnetic Card/ Smart Card/ Dallas iButton)	EPP-265MSI-U	Hybrid Card Reader with bracket for EP-265X Series POS,USB interface,Magnetic,Smart Card,iButton,RoHS
Thermal Printer	AFLP-TPB01	Thermal Printer, 24VDC, RS232, thermal line printing, black color
	AFLP-TPW01	Thermal Printer, 24VDC, RS232, thermal line printing, white color
OS: Windows® WEPOS	EPCF-265-P910-WEPOS	15" Monitor OS Image with WEPOS, For EP-265E-910 Series, W/Compact Flash Memory Card 1GB, RoHS
OS: Windows® XPE	EPCF-265-P910-XPE	15" Monitor OS Image with XPE, For EP-265E-910 Series, W/Compact Flash Memory Card 1GB, RoHS
	EPCF-265E-N270-XPE	15" Monitor OS Image with XPE, For EP-265E-N270 Series, W/Compact Flash Memory Card 1GB, RoHS

Note 1: The package includes the bracket and pole stand.



### Headquarters

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### China

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