BP-864

High Performance Compact Box System



FEC

BP-864

BP-864, the world's first box system that is a compact pc and an All-in-One POS when integrated with a monitor, fulfills it all for various types of business solutions.

BP-864 equips with latest Intel® H81 Chipset and offers selections of Intel® Celeron®, Core i3 or Core i5 processors for flexible applications. With FEC revolutionary design, BP-864 delivers the best modularity. Optional 2nd I/O interfaces provide more availabilities to fit various situations. BP-864 is the ideal choice for all retailers and hospitality business.





Standard Type



Type C: COM Port (RJ45) + Power USB



TSY-IN 12V-OUT TOWN VIGA HOM LAN USB3.6 USB2.6 COM 1

Type G: Power USB



Features



CPU box and case can be easily detached to upgrade and maintain.



Power button, hard disk indicator and USB port is located in the front face for quick maintenance.



SSD for easy serviceability.



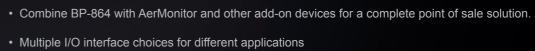
The thermal fin design on BP-864 increases heat transfer effectiveness, keeping it cool



Supported M.2 socket interface.



BP-864 can be easily mounted onto any flat surface.



- Can be used as a kiosk engine to power self-service solutions
- Modular design for easy servicability



It is extremely compact measuring at 29 centimeters in width, 4.3 centimeters in height and 22.6 centimeters in depth.



BP-864 weighs only 2.8 kilograms



BP-864 CPU box can be integrated to various sizes of FEC Aer Panel PC.

Specifications www.fecpos.com

Processor Intel® Cueron G1820TE 2.20GHz Intel® Cueron G1820TE 2.20GHz Intel® Cueron G1820TE 2.40 GHz Intel® Cueron G1820TE		
Processor Intel® Core (4-430TE 2-40 GHz Intel® Core (4-540T 3 GHz Intel® Core (4-340T 3 GHz Intel® Core (4-540T 3 GHz Intel® Core	Model	BP-864
Power Supply 150W (12V /12.5A) External Power Adaptor Storage Device 1 x 2.5 'SATA HDD or SSD Second Storage Optional M.2 Storage Device Optional M.0 Storage Device Aluminum Dic-casting + Plastic Housing Cotion Aluminum Dic-casting + Plastic Housing Cotion Black with Silver Trim	Processor	Intel® Core i3-4330TE 2.40 GHz
Storage Device 1 x 25° SATA HDD or SBD Second Storage Optional M2 Storage Device Construction Aluminum Die-casting + Plastic Housing Color Black with Silver Trim VP Ports Serial Port 1 x External: COM1 (RJ45) with RI / 5V / 12V Selectable USS Port 5 x External (Rear USB 2 0 x 2, USB 3.0 x 2; Front USB 2.0 x 1) Powered USB Port 1 x 24V Cash Drawer Port 1 x RJ45 (gabit LAN Video Port 2 x US Couput 1 x 12V DC DC Juput 1 x 12V DC Joak 2.5 mm Optional I/O Board (Factory Install Only)* Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Optional I/O Board (Factory Install Only)* Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable;	System Memory	1 x 2GB Standard, Maximum 16GB (2 x 8GB 204-pin DDR3L-1600)
Second Storage Optional M.2 Storage Device Construction Aluminum Die-casting + Plastic Housing Color Black with Silver True IVP Ports Senal Port 1 x External: COM1 (RJ45) with RI / 5V / 12V Selectable USB Port 5 x External (Rear USB 2.0 x 2, USB 3.0 x 2; Front USB 2.0 x 1) Powered USB Port 1 x RJ11 (12V / 24V) LAN Port 1 x RJ45 Gigabit LAN Video Port 2 x DC Output 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type G 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type K 2 x Serial Port: COM 2 (DB3) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB3) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type K 2 x Serial Port: COM 2 (DB3) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type K 2 x Serial Port: COM 2 (DB3) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Type K 2 x Serial Port: COM 2 (DB3) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port Windows Windows Embedded POSReady 7, Windows Embedded 8.1 Industry, Winodws 10	Power Supply	150W (12V / 12.5A) External Power Adaptor
Construction Aluminum Die-casting + Plastic Housing Color Black with Silver Trim I/O Ports Serial Port 1 x Externai: COM1 (RJ45) with RI / SV / 12V Selectable USB Port 5 x External (Rear USB 2.0 x 2. USB 3.0 x 2; Front USB 2.0 x 1) Powered USB Port 1 x 24V Cash Drawer Port 1 x RJ45 Sigabit LAN LAN Port 1 x RJ45 Sigabit LAN Video Port 2 x DC Julput 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows Embedded 8.1 Industry, Windows 10 Enterprise Dimensions & Weight Product (W x H x D) 200 x 43 x 228 mm, 2.8 Kg Willin Carton (W x H x D) 200 x 43 x 228 mm, 2.8 Kg Willin Carton (W x H x D) 200 x 40 C (32 F ~ 104 F)	Storage Device	1 x 2.5" SATA HDD or SSD
Housing Color Black with Silver Trim 1	Second Storage	Optional M.2 Storage Device
Vo Ports	Construction	Aluminum Die-casting + Plastic
Serial Port 1 x External: COM1 (R.445) with RI / 5V / 12V Selectable USB Port 5 x External (Rear USB 2.0 x 2, USB 3.0 x 2; Front USB 2.0 x 1) Powered USB Port 1 x 24V Cash Drawer Port 1 x R.11 (12V / 24V) LAN Port 1 x R.145 Gigabit LAN Video Port 2 x DC Input 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) V Type C 2 x Serial Port: COM 2 & COM 3 (R.145) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Windows 10 Enterprise Dimensions & Weight With Carton (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0 °C ~ 40°C (32°F ~ 104°F)	Housing Color	Black with Silver Trim
USB Port	I/O Ports	
Powered USB Port	Serial Port	1 x External: COM1 (RJ45) with RI / 5V / 12V Selectable
Cash Drawer Port 1 x RJ11 (12V /24V) LAN Port 1 x RJ45 Gigabit LAN Video Port 2 x DC Input 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI /5V / 12V Selectable; 1 x 12V Powered USB Port Type K 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI /5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carlon (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	USB Port	5 x External (Rear USB 2.0 x 2, USB 3.0 x 2; Front USB 2.0 x 1)
LAN Port 1 x RJ45 Gigabit LAN Video Port 2 x DC Input 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type K 3 x 12V Powered USB Port Type K OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 290 x 43 x 226 mm, 2.8 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Powered USB Port	1 x 24V
Video Port 2 x DC Input 1 x 12V DC DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Cash Drawer Port	1 x RJ11 (12V / 24V)
DC Input	LAN Port	1 x RJ45 Gigabit LAN
DC Output 1 x 12V DC Jack 2.5 mm Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 290 x 43 x 226 mm, 2.8 Kg Operation Conditions Operation Conditions Operation Temperature 0 °C ~ 40 °C (32 °F ~ 104 °F)	Video Port	2 x
Optional I/O Board (Factory Install Only) Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	DC Input	1 x 12V DC
Type C 2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port Type G 3 x 12V Powered USB Port Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	DC Output	1 x 12V DC Jack 2.5 mm
Type G Type K 1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Optional I/O Board (Factory Install Only)	
Type K OS Supported Windows Windows 7, Windows Embedded POSReady 7, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Type C	2 x Serial Port: COM 2 & COM 3 (RJ45) RI / 5V / 12V Selectable; 1 x 12V Powered USB Port
Windows Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Type G	3 x 12V Powered USB Port
Windows Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Туре К	1 x Serial Port: COM 2 (DB9) RI / 5V / 12V Selectable; 2 x 12V Powered USB Port
Dimensions & Weight Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	OS Supported	
Product (W x H x D) 290 x 43 x 226 mm, 2.8 Kg With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions 0°C ~ 40°C (32°F ~ 104°F)	Windows	Windows 7, Windows Embedded POSReady 7, Windows 8.1, Windows Embedded 8.1 Industry, Winodws 10 Enterprise
With Carton (W x H x D) 510 x 144 x 328 mm, 4.7 Kg Operation Conditions 0°C ~ 40°C (32°F ~ 104°F)	Dimensions & Weight	
Operation Conditions Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	Product (W x H x D)	290 x 43 x 226 mm, 2.8 Kg
Operating Temperature 0°C ~ 40°C (32°F ~ 104°F)	With Carton (W x H x D)	510 x 144 x 328 mm, 4.7 Kg
	Operation Conditions	
	Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)
Storage temperature $20.0 \times 60.0 \times (-4.1 \times 130.1)$	Storage Temperature	20°C ~ 60°C (-4°F ~ 130°F)

*Specifications are subject to change without notice.