

Fanless Embedded Box PC with Intel® Celeron® J1900 2.0 GHz/ Celeron® N2930 Quad Core 1.83 GHz/
Celeron® N2807 Dual Core 1.58 GHz/ Intel® Atom™ E3845 Quad Core 1.91 GHz

Front View



Rear View



Specifications

CPU	Intel® Celeron™ J1900 2.0 GHz/ Celeron® N2930 1.83 GHz/ N2807 1.58 GHz/ Atom™ E3845, 1.91 GHz	
Chipset	Intel® System on Chip	
System Memory	DDR3L 1333 SODIMM x 1, up to 8 GB (J1900/N2930/E3845) or 4 GB (N2807)	
Display Interface	VGA	DB-15 x 1 for VGA
	DVI	—
	HDMI	HDMI x 1
	Others	—
Storage Devices	CF/Cfast	CFAST™ slot x 1 (w/Cover protection)
	2.5" HDD/ SSD	2.5" HDD Drive Bay x 1
Network	LAN	Intel® Gigabit Ethernet x 2
	Wireless	—
Front I/O	USB Host	USB type A x 2 for USB 2.0
	LAN	—
	Serial Port	—
	DIO	—
	Audio	Line-out x 1
	KB/MS	—
	Others	Power On/Off Switch x 1 CFAST™ slot x 1 Antenna hole x 2
Rear I/O	USB Host	USB type A x 1 for USB 3.0, USB type A x 1 for USB 2.0
	LAN	RJ-45 x 2
	Serial Port	DB-9 x 2 for RS-232 DB-9 x 2 for RS-232/422/485 with autoflow
	DIO	—
	Audio	—
	KB/MS	—
	Others	DC-in 3-pin terminal block (9~30V) or DC-in 12V with DC jack lockable DB-15 x 1 for VGA HDMI x 1

Features

- Intel® Celeron® J1900 2.0 GHz/ N2930 Quad Core 1.83 GHz/ Celeron® N2807 Dual Core 1.58 GHz/ Intel® Atom™ E3845 Quad Core 1.91 GHz
- Intel® HD Graphics Engine
- DDR3L 1333 MHz SODIMM x 1, Memory up to 8 GB
- Intel® Gigabit Ethernet x 2
- VGA + HDMI Output, Support Dual View/Simultaneous Display
- RS-232/422/485 x 2, RS-232 x 2
- USB 3.0 x 1, USB 2.0 x 3
- Full-size Mini-Card with SIM card slot x 1, Half-size Mini-Card x 1 for Factory-Install
- Compact Size & Low Power
- Cost-Effective Design
- Fanless System Design
- AAEON's Hi-Safe Support



Expansion	PCIe [x1]	—
	PCI	—
	Mini-Card	Full-size Mini-Card x 1 Half-size Mini-Card x 1 (Only for Factory-install)
	Mini PCI	—
	Others	SIM Card Socket x 1
Indicator	Front	Power LED x 1, HDD active LED x 1
	Rear	—
Power Requirement	DC-in 3-pin terminal block (9~30V) or DC-in 12V with DC jack lockable	
Power Consumption	N2930 0.75A@12V (9W), without USB Loading	
System Cooling	Passive	
Mounting	Wallmount/ DIN Rail	
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C) W/T CFAST™ (with 0.5 m/s AirFlow)	
	-4°F ~ 140°F (-20°C ~ 60°C) W/T HDD (with 0.5 m/s AirFlow) with industrial grade device (according to IEC68-2-14)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 Grms/ 5 ~ 500Hz/ operation –CFAST™ Card 1 Grms/ 5 ~ 500Hz/ operation – HDD	
Anti-Shock	50 G peak acceleration (11 msec. duration) –CFAST™ Card 20 G peak acceleration (11 msec. duration) – HDD	
MTBF (Hours)	64,000	
Certification	EMC	CE/FCC class A
	Safety	—
	Others	—
Dimension (W x H x D)	8.35" x 4.21" x 2.53" (212.15mm x 107mm x 64.2mm)	
Gross Weight	6.6 lb (2.8 kg)	
Net Weight	4.4 lb (2 kg)	
OS Support	Windows® 10, Windows® 8.1 (32/64-bit), Windows® 7(32/64-bit), WES7/ WES8, Linux Ubuntu 14.04/ Kernel 3.13.0	

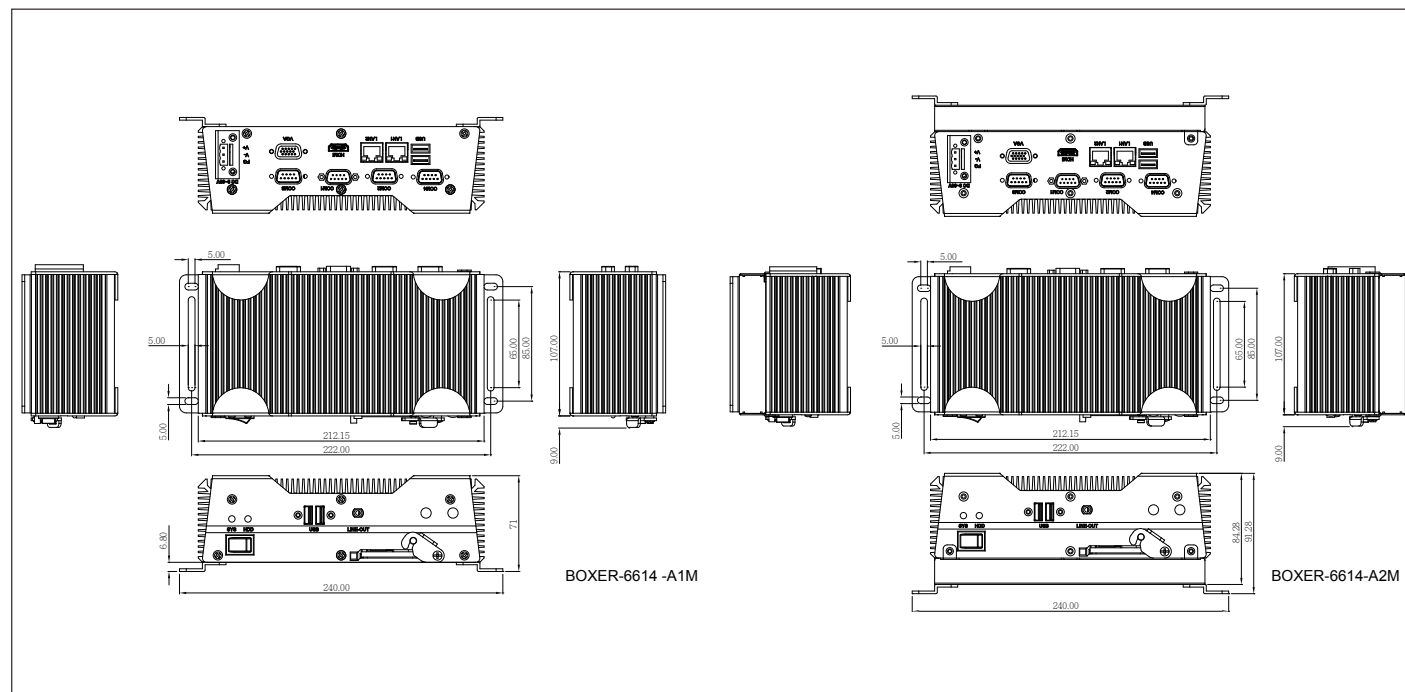
Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad x 1 (60mm x 25mm x 3mm) (For A1/A1M the SKU without HDD kit only)
- Phoenix Power Connector x 1 (For A1M/A2M, for DC 9 ~30 V only)
- Product DVD
- BOXER-6614

BOXER-6614

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	Storage	Display	Expansion	Mounting	Power	Temp.
BOXER-6614-A1-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A1M-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A2-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A2M-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~60°C with Wide Temp. HDD(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A11-1010	Intel® Celeron® SoC N2807	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A11M-1010	Intel® Celeron® SoC N2807	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A12-1010	Intel® Celeron® SoC N2807	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A12M-1010	Intel® Celeron® SoC N2807	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~60°C with Wide Temp. HDD(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A21-1010	Intel® Atom™ SoC E3845	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A21M-1010	Intel® Atom™ SoC E3845	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A22-1010	Intel® Atom™ SoC E3845	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A22M-1010	Intel® Atom™ SoC E3845	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~60°C with Wide Temp. HDD(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A31-1010	Intel® Celeron® SoC J1900	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A31M-1010	Intel® Celeron® SoC J1900	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~60°C with Wide Temp. HDD(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A32-1010	Intel® Celeron® SoC J1900	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 12V	-20°C~55°C with Wide Temp. CFast(with 0.5 m/s air flow, according to IEC68-2-14)
BOXER-6614-A32M-1010	Intel® Celeron® SoC J1900	—	2	4	2	2	CFast Socket x 1 (Easy-to-swap)	VGA x 1 HDMI x 1	Full Size Mini-Card x 1 Half Size Mini-Card x 1	Wallmount/ Din Rail Mounting Kit (Optional)	DC 9-30V	-20°C~60°C with Wide Temp. HDD(with 0.5 m/s air flow, according to IEC68-2-14)

Optional Accessories

- **125530060A** - DC Jack for 6614-A1/A2
 - **1255900841** - 3 pin for 6614-A1M/A2M
 - **1702031802**
 - **1702031803**
 - **170203180E**
 - **9741681003**
- Power Adapter, AC, 100/240V, 12V/5A, 60W, W/ Lock, FSP, FSP060-DBAE1
- Power Adapter, AC, 100/240V, 12V/7A, 84W, FSP, FSP084-DMAA1
- Power Cord (US Type)
- Power Cord (European Type)
- Power Cord (Japanese Type)
- Din Rail Mount Kit

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