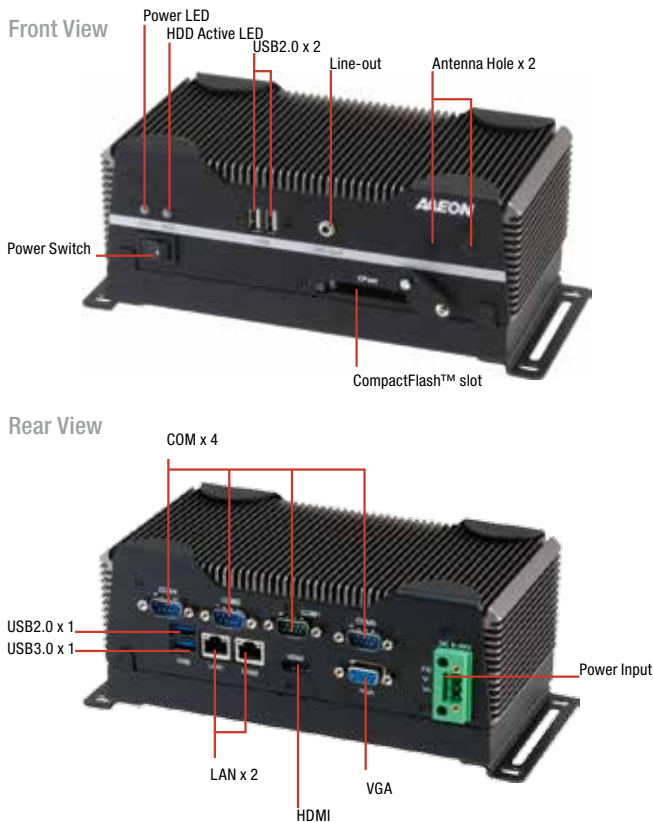


BOXER-6614

Fanless Embedded Controller with Intel® Celeron® N2930 Quad Core 1.83 GHz/ Celeron® N2807 Dual Core 1.58 GHz Processor SoC



Features

- Intel® Celeron® N2930 Quad Core 1.83 GHz/ Celeron® N2807 Dual Core 1.58 GHz (Optional) (FCBGA1170) Processor SoC
- Intel® HD Graphics Engine
- DDR3L 1333 MHz SODIMM x 1, Memory Max. 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
- USB3.0 x 1, USB2.0 x 3
- Full-size Mini-Card with SIM 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



Specifications

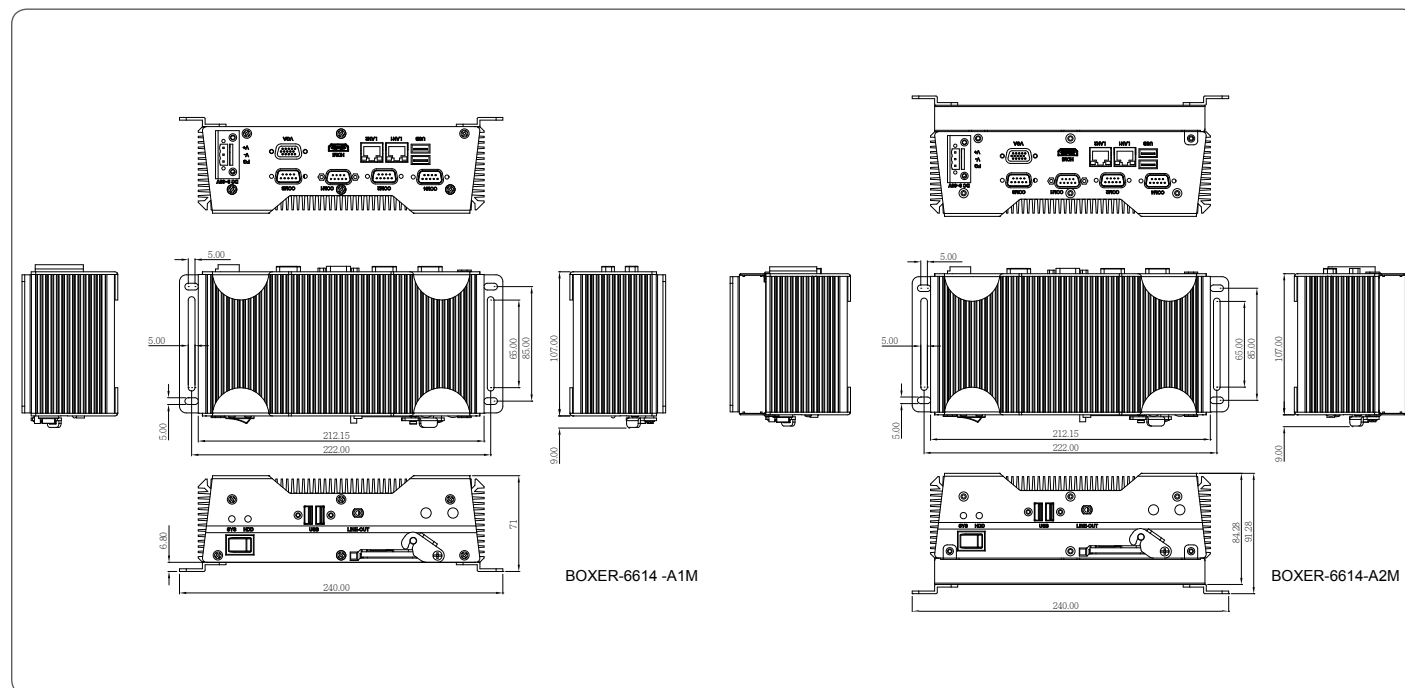
CPU	Intel® Celeron™ N2930 Quad Core 1.83 GHz Processor SoC	
Chipset	Intel® System on Chip	
System Memory	DDR3L 1333 SODIMM x 1, Max. 8 GB	
Display Interface	VGA	DB-15 x 1 for VGA
	DVI	—
	HDMI	HDMI x 1
	Others	—
Storage Devices	CF/Cfast	CFast™ slot x 1 (w/Cover protection)
	2.5" HDD/ SSD	2.5" HDD Drive Bay x 1
Network	LAN	Intel® Gigabit Ethernet x 2
	Wireless	Optional by Mini-Card wireless module
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
	USB Host	USB Type A x 1 for USB 3.0 USB Type A x 1 for USB 2.0
Rear I/O	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

Expansion	PCI-E [x1]	—
	PCI	—
	Mini-Card	Full-size Mini-PCIe x 1 Half-size Mini-PCIe 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/VESA/DIN Rail	
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C) W/T CFast™ (with AirFlow)	
	-4°F ~ 140°F (-20°C ~ 60°C) W/T HDD (with AirFlow) with industrial grade device (according to IEC68-2-14)	
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)	
Anti-Vibration	5 g rms/ 5 ~ 500Hz/ operation – CFast™ Card	
	1 g rms/ 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)	
Note	Windows® 8.1 (32/64-bit), Windows® 7 (32/64-bit), WES7/WES8, Linux Ubuntu 14.04/ Kernel 3.13.0	

BOXER-6614

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB	RS-232	RS-232/422/485	AUDIO	Storage	Accessory Cables	Display	Expansion	Mounting	Power	Temp.
BOXER-6614-A1-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	Line-out x 1	CFast™ kit x 1	—	VGA x 1 HDMI x 1	Full-size Mini-card x 1 Half-size Mini-card x 1 (only for Factory-install)	Wallmount/VESA Mount Din Rail Mount Kit (Option)	DC 12V	-20°C ~ 55°C with W/T CFAST(With air flow) With industrial grade device (According to IEC68-2-14)
BOXER-6614-A1M-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	Line-out x 1	CFast™ kit x 1	—	VGA x 1 HDMI x 1	Full-size Mini-card x 1 Half-size Mini-card x 1 (only for Factory-install)	Wallmount/VESA Mount Din Rail Mount Kit (Option)	DC 9-30V	-20°C ~ 55°C with W/T CFAST(With air flow) With industrial grade device (According to IEC68-2-14)
BOXER-6614-A2-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	Line-out x 1	CFast™ kit x 1 HDD kit x 1	—	VGA x 1 HDMI x 1	Full-size Mini-card x 1 Half-size Mini-card x 1 (only for Factory-install)	Wallmount/VESA Mount Din Rail Mount Kit (Option)	DC 12V	-20°C ~ 55°C with W/T CFAST(With air flow) -20°C ~ 60°C with W/T HDD(With air flow) With industrial grade device (According to IEC68-2-14)
BOXER-6614-A2M-1010	Intel® Celeron® SoC N2930	—	2	4	2	2	Line-out x 1	CFast™ kit x 1 HDD kit x 1	—	VGA x 1 HDMI x 1	Full-size Mini-card x 1 Half-size Mini-card x 1 (only for Factory-install)	Wallmount/VESA Mount Din Rail Mount Kit (Option)	DC 9-30V	-20°C ~ 55°C with W/T CFAST(With air flow) -20°C ~ 60°C with W/T HDD(With air flow) With industrial grade device (According to IEC68-2-14)

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- RAM Thermal Pad x 1 (60mm x 25mm x 3mm) (For A1/A1M)
- Phoenix Power Connector x 1 (For A1M/A2M)
- Product DVD
- BOXER-6614

Optional Accessories

- **1757306007 - DC Jack for 6614-A1/A2**
Power Adapter, AC, 100/240V, 12V/5A, 60W, W/ Lock, FSP, FSP060-DBAE1
- **1757908401 - 3 pin for 6614-A1M/A2M**
Power Adapter, AC, 100/240V, 12V/7A, 84W, FSP, FSP084-DMAA1
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9741681003**
Din Rail Mount Kit