03

Compact Fanless BOX PC Solutions

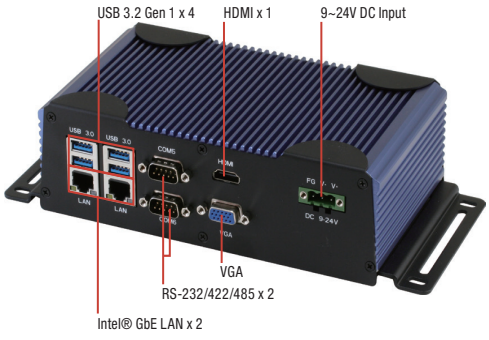
BOXER-6616

Fanless Embedded Box PC with Intel® Celeron® Processor N3350/N4200

Front View

TAIWAN EXCELLENCE 2018

Rear View



Features

- Intel® Pentium® N4200 2.5 GHz/ Celeron® N3350 2.4 GHz
- DDR3L 1866, Single Channel SODIMM x 1, Non-ECC (Max.8GB, up to 1600MHz)
- COM x 6: RS-232/422/485 x 2 + RS-232 x 4
- USB 3.2 Gen 1 x 4
- VGA + HDMI Output, Support Dual View/ Simultaneous Display
- Supports 2.5" Drive Bay x 1, mSATA
- Supports 8 Channel TTL Level DIO x 1 (Optional)
- AAEON's Hi-Safe Support
- Supports DC 9~24V with Power Protection
- Wide Operating Temperature: -4°F ~ 158°F (-20°C ~ 70°C)
- AT/ATX Switch, Remote Power On/Off Switch

DDR 4 | 1000 Giga LAN | USB 3.2 Gen 1 | PCIe PCI Express | CE | FC

Specifications

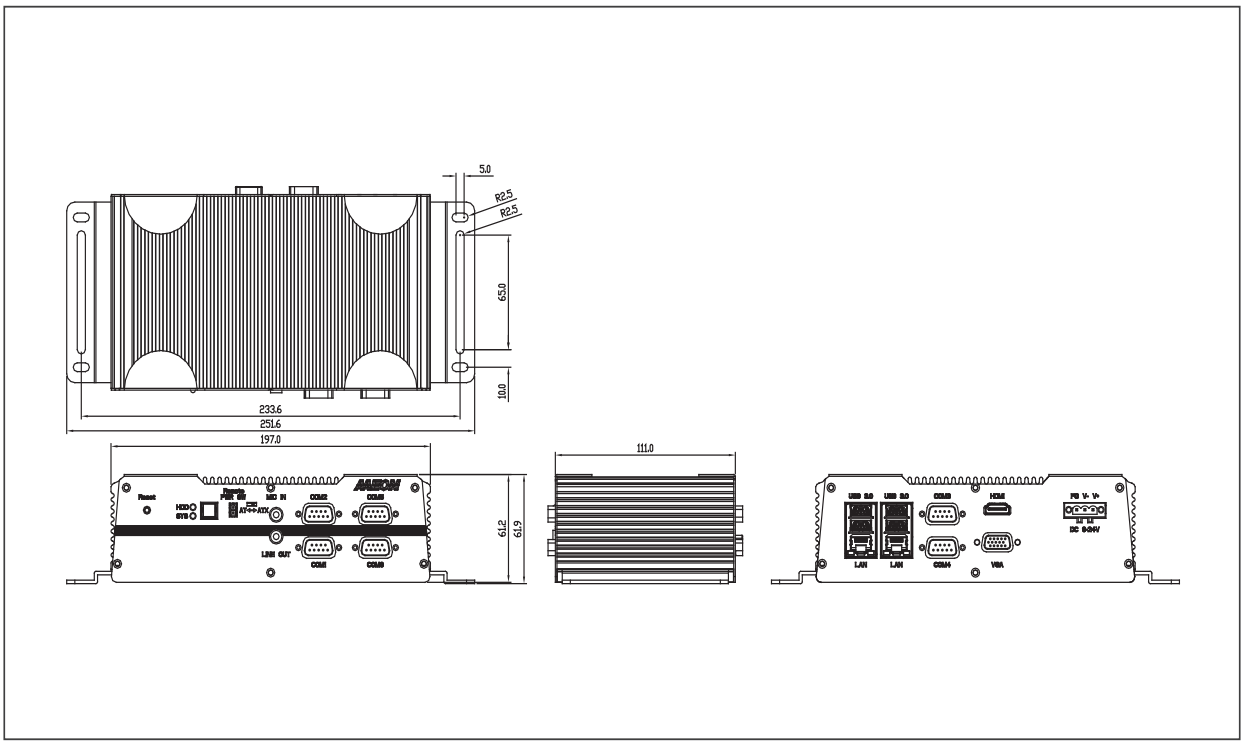
System	
CPU	Intel® Pentium® N4200, 2.5 GHz Intel® Celeron® N3350, 2.4 GHz
Chipset	Intel® System on Chip
System memory	DDR3L 1866, Single Channel SODIMM x 1, Non-ECC (Max.8GB, up to 1600MHz)
Display Interface	HDMI (max. 2048 x 1152) VGA (max. 2048 x 1152)
Storage Device	mSATA, HDD/SSD
Ethernet	Intel® I211, 10/100/1000 Base-TX x 2
I/O	RS-232/422/485 x 2 RS-232 x 4 USB 3.2 Gen 1 x 4 VGA x 1 HDMI x 1 LAN x 2 Remote On/Off x 1 Reset Button x 1 AT/ATX DIP Switch Mic-In x 1 Line-Out x 1 Antenna holes x 1 Power button Power input
Expansion	Full-size Mini-Card x 1 (PCI-E + USB, w/ SIM slot) Half-size Mini-Card x 1 (A1:PCI-E + USB, A2: mSATA + USB)
Indicator	Power LED HDD active LED
OS Support	Windows® 10 IoT Ent LTSC 2019 64 bit Ubuntu 16.04 above
Power Supply	
Power Requirement	9-24V with 3-pin terminal block
Mechanical	
Mounting	Wallmount DIN Rail (Mounting kit is optional)
Dimensions (W x H x D)	7.76" x 2.17" x 4.33" (197mm x 55mm x 110mm)
Gross Weight	6.6 lb (2.8 kg)
Net Weight	4.4 lb (2 kg)
Environmental	
Operating Temperature	-4°F ~ 158°F (-20°C ~ 70°C) with W.T. SSD/HDD/mSATA (according to IEC682-14 with 0.5 m/s AirFlow; with industrial devices)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	95% @ 40°C, non-condensing
Anti-Vibration	3 Grms/ 5 ~ 500Hz/ operation – mSATA/SSD 1 Grms/ 5~ 500Hz/ operation – HDD
Anti-Shock	—
Certification	CE/FCC class A

Note: All specifications are subject to change without notice.

BOXER-6616

Dimension

Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	PoE	USB 3.2 Gen 1	USB 2.0	RS-232	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6616-A1-1110	Intel® Pentium® N4200 2.5 GHz	—	2	—	4	0	4	2	—	MIC-in x 1 Line-Out x 1	2.5" Drive Bay x 1	VGA x 1 HDMI x 1	Full-size Minicard x 1 Half-size Minicard x 1	Wallmount Optional Dinrail Optional VESA-Mount	9~24V DC In	-4°F ~ 158°F (-20°C ~ 70°C)
BOXER-6616-A2-1110	Intel® Celeron® N3350 2.4 GHz	—	2	—	4	0	4	2	—	MIC-in x 1 Line-Out x 1	2.5" Drive Bay x 1 mSATA x 1	VGA x 1 HDMI x 1	Full-size Minicard x 1 Half-size Minicard x 1	Wallmount Optional Dinrail Optional VESA-Mount	9~24V DC In	-4°F ~ 158°F (-20°C ~ 70°C)

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- 3 Pin DC-In Power Connector x 1
- BOXER-6616

Optional Accessories

- **1255900849**
  12V 84W Power Adapter
- **1702031802**
  Power Cord (US Type)
- **1702031803**
  Power Cord (Europe)
- **170203180E**
  Power Cord (Japan)
- **9741640404**
  Din Rail Mount Kit

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