

04 **BOXER-6640**

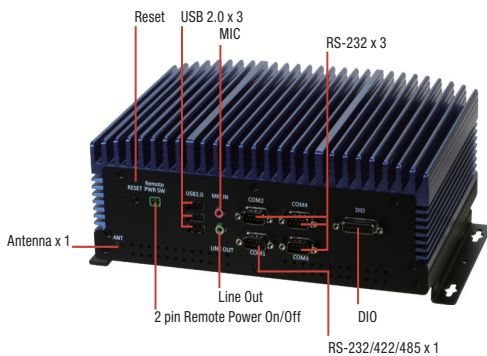
Fanless Embedded Box PC with 6th/7th Generation Intel® Core™ Desktop Processor and GbE

Compact Fanless BOX PC Solutions

Front View



Rear View



Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Processor
- Supports DDR4 ECC or Non-ECC SODIMM, Up to 32GB
- Support VGA x 1
- Supports USB 3.2 Gen 1 x 4
- Supports Intel® GbE LAN x 2
- Wide Range DC 9~36V Input
- 8-bit Digital Input and Output



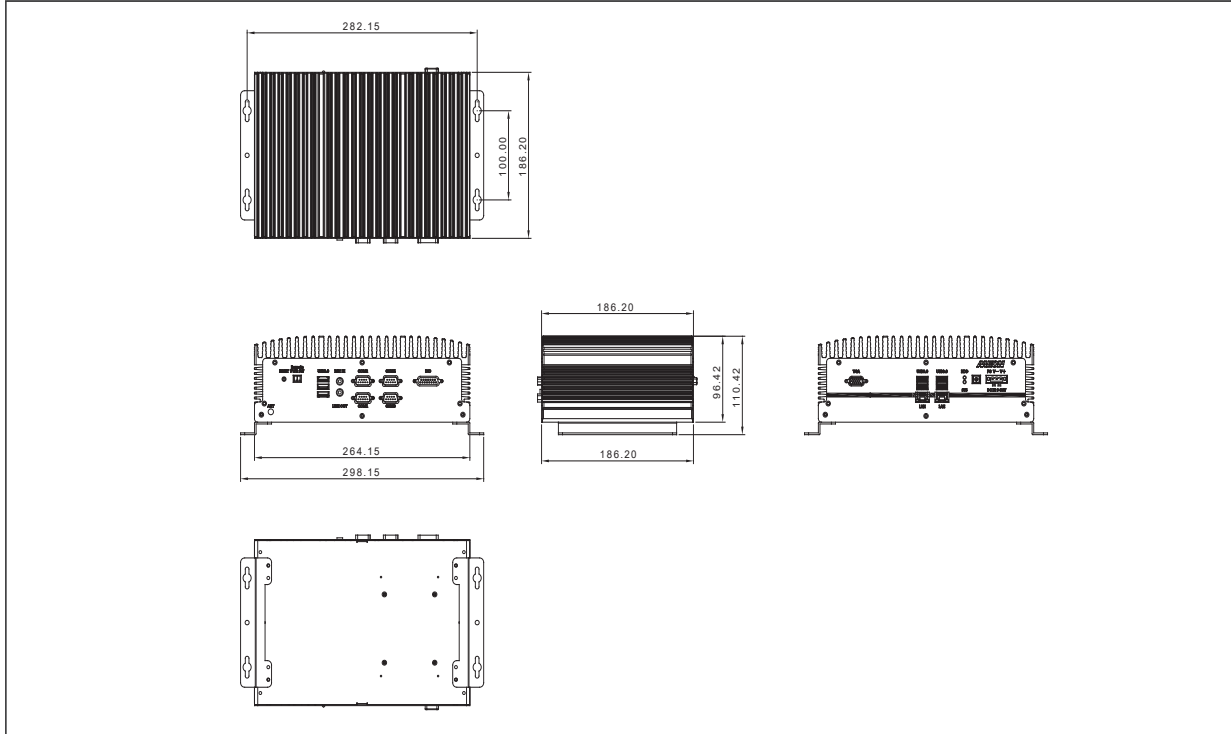
Specifications

System	
CPU	Intel® Core™ i7-7700T, Quad Core, 2.9 GHz Intel® Core™ i5-7600T, Quad Core, 2.8 GHz Intel® Core™ i3-7300T, Dual Core, 3.5 GHz Intel® Core™ i7-6700TE, Quad Core, 2.4 GHz Intel® Core™ i5-6500TE, Quad Core, 2.3 GHz Intel® Core™ i3-6100TE, Dual Core, 2.7 GHz
Chipset	Intel® H110
System Memory	DDR4 SODIMM socket (double deck) x 2 Supports 1866/2133MHz DDR4 and up to 32GB Supports un-buffered and ECC / non-ECC type SODIMM
Display Interface	VGA x 1, HDMI x 2 (Combo DP x 2) - A1 Sku VGA x 1 - A2 Sku
Storage Device	mSATA, SATA HDD/SSD
Ethernet	Intel® I211AT x 1, I219LM x 1
I/O	2 pin Remote power on/off connector Audio x1 (MIC-in, Line-out) USB 2.0 x 3 DB-9 x 3 for RS-232 8-bit DIO DB-9 x 1 for RS-232/422/485 with auto flow control Power ON/OFF switch x 1 3 pin 9~36V DC Power input x 1 (+, -, GND) VGA x 1 HDMI x 2 (Combo DP x 2) USB 3.2 Gen 1 x 4 RJ-45 x 2 for GbE (I211AT x 1, I219LM x 1)
Expansion	Full-size Mini-Card x 1 (PCI-E + USB, w/ SIM slot) Full-size Mini-Card x 1 (mSATA + USB) LPC x 1
Indicator	Power LED HDD active LED
OS Support	Windows® 10 64-bit (Kabylake, Skylake CPU) Windows® 8.1 64-bit (Skylake CPU only) Windows® embedded 8 standard 64-bit (Skylake CPU only)
Power Supply	
Power Requirement	3-pin Phoenix DC Input 9~36V
Mechanical	
Mounting	Wallmount
Dimensions (W x H x D)	10.39" x 3.8" x 7.33" (264mm x 96.4mm x 186.2mm)
Gross Weight	12.76 lb (5.8 kg)
Net Weight	9.9 lb (4.5 kg)
Environmental	
Operating Temperature	-4°F ~ 131°F (-20°C ~ 55°C) (according to IEC68-2-14 with 0.5 m/s AirFlow; with industrial devices)
Storage Temperature	-49 °F ~ 176°F (-45°C ~ 80°C)
Storage Humidity	5 ~ 95% @ 40°C, non-condensing
Anti-Vibration	2 Grms/ 5 ~ 500Hz/ operation - SSD 1 Grms/ 5 ~ 500Hz/ operation - HDD
Anti-Shock	—
Certification	CE/FCC class A

BOXER-6640 ◀ 04

Compact Fanless BOX PC Solutions

Dimension Unit: mm



Ordering Information

Part Number	CPU	RAM	LAN	USB 3.2 Gen 1	USB 2.0	RS-232/422/485	Digital I/O	Audio	Storage	Display	Expansion	Mounting	Power	Operation Temp.
BOXER-6640-A1-1010	—	—	2	4	3	RS-232: 3 RS-232/422/485: 1	8 bit	MIC-in, Line-out	2.5" SATA Drive bay x 1	VGA x 1 HDMI x 2	Full-size Minicard x 2	Wallmount	9-36V	-4°F ~ 131°F (-20°C ~ 55°C)
BOXER-6640-A2-1010	—	—	2	4	3	RS-232: 3 RS-232/422/485: 1	8 bit	MIC-in, Line-out	2.5" SATA Drive bay x 1	VGA x 1	Full-size Minicard x 2	Wallmount	9-36V	-4°F ~ 131°F (-20°C ~ 55°C)

Packing List

- 3 Pin DC-In Power Connector x 1
- 2 Pin Remote on/off Connector
- Thermal Pad
- Wallmount Bracket x 2
- Screw Package x 1
- BOXER-6640

Optional Accessories

- 1255X00059
Power Adapter
- 1702031802
Power Cord (US Type)
- 1702031803
Power Cord (Europe)
- 170203180E
Power Cord (Japan)

Assured Systems

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