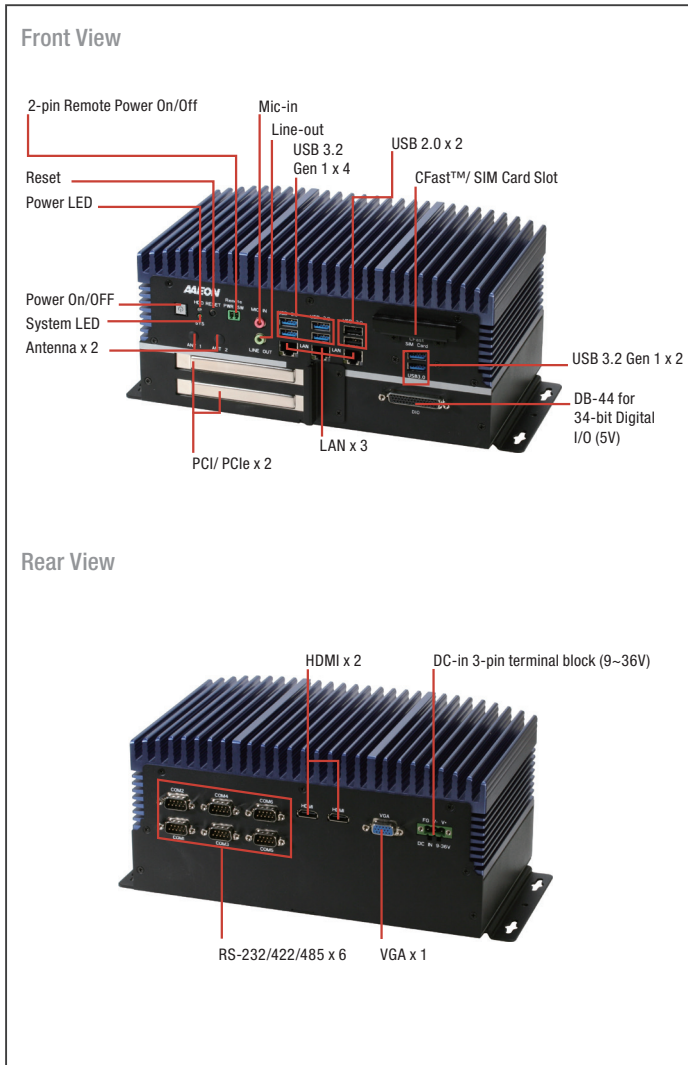


BOXER-6839

Expandable Fanless Embedded Box PC with 6th/ 7th Generation Intel® Core™ Desktop Processor and PCIe [x4] & PCI Expansion



Features

- Extreme Computing Power & Graphic Display Capability
- Desktop Grade Socket Type Processor with Longevity Support
- DDR4 ECC or Non-ECC SODIMM, Up to 32GB
- VGA + HDMI x 2 Triple Display, HDMI 4K Display
- PCIe [x4] & PCI Expansion
- USB 3.2 Gen 1 x 6
- Industrial-grade Intel® GbE LAN x 3
- Supports BIOS Selectable RS-232/422/485 x 6
- Easy Access Design
- Wide Range DC 9~36V Input
- 34-bit Digital Input and Output



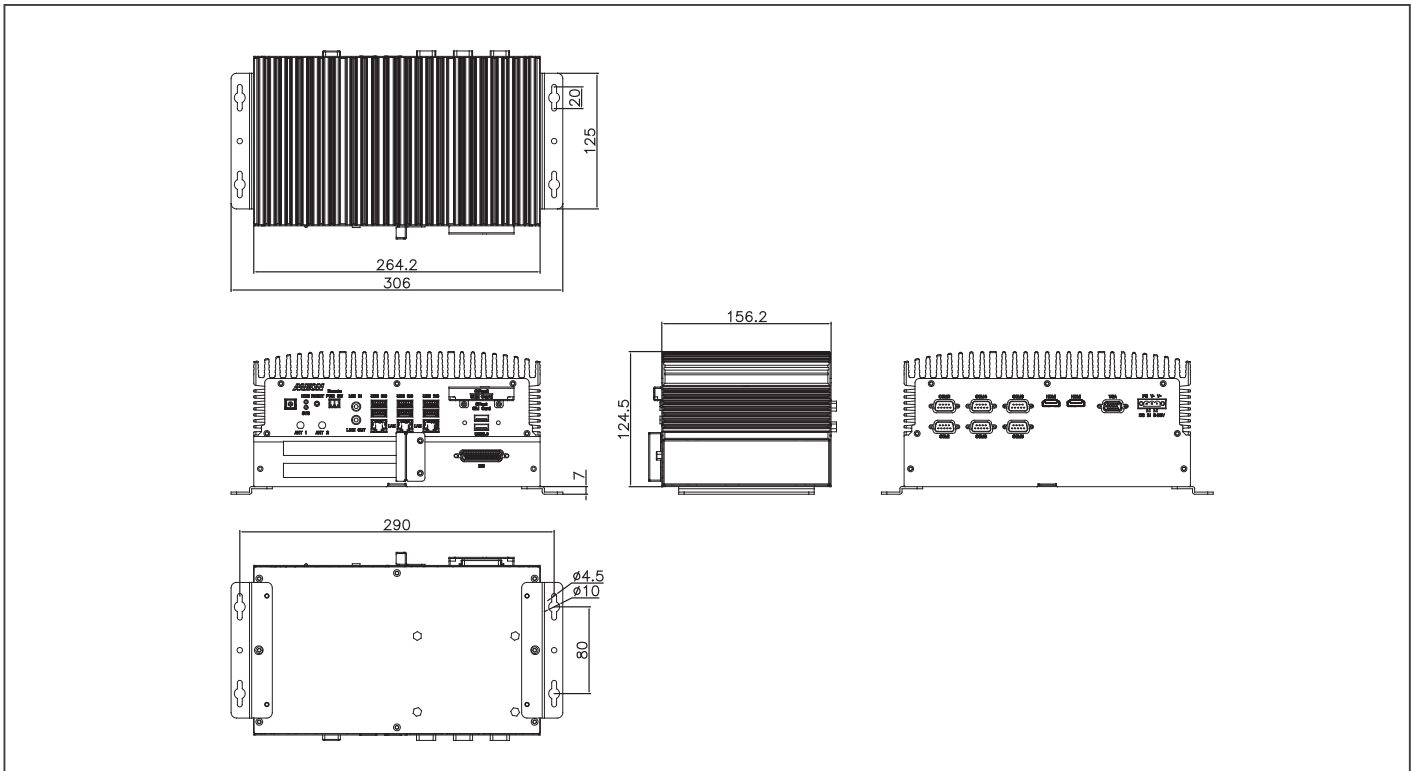
| | |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| I/O | RS-232/422/485 x 6 USB Type A x 6 for USB 3.2 Gen 1 USB Type A x 2 for USB 2.0 RJ-45 x 3 for GbE LAN DB-44 for 34-bit Digital I/O (5V) CFAST™ slot x 1 SIM card slot x 1 Power On/Off Button x 1 2 pin Remote power on/off Reset switch Mic-in x 1 Line-out x 1 Antenna opening x 2 SYS LED indicator x 1 HDD LED indicator x 1 DB-15 x 1 for VGA HDMI v1.3 x 2 DC-in 3-pin terminal block (9~36V) |
| Expansion | Full-size Mini-Card x 2 PCIe [x4] x 1 & PCIe [x1] x 1 (for A1) PCIe [x4] x 1 & PCI x 1 (for A2) PCI x 2 (for A3) |
| Indicator | Power LED HDD active LED |
| OS Support | 7th Generation Intel® Core™ Processor family: Windows® 10 IOT (64bit) Ubuntu 16.04 above Fedora 25 above CentOS 7.3 above 6th Generation Intel® Core™ Processor family: Windows® 10 IOT (64bit) Windows® 8.1 (64bit) Windows® embedded 8 standard (64bit) Windows® 7 (64bit/32bit) Windows® embedded standard 7 (32/64bit) Ubuntu 16.04 above Fedora 25 above CentOS 7.3 above |
| Power Supply | |
| Power Requirement | 9 - 36V with 3-pin terminal block |
| Mechanical | |
| Mounting | Wallmount |
| Dimensions (W x H x D) | 10.40" x 4.90" x 6.15" (264.2mm x 124.5mm x 156.2mm) |
| Gross Weight | 13.2 lb (6.0 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 | 5 Grms/ 5 ~ 500Hz/ operation – SSD/CFAST™ card 1 Grms/ 5 ~ 500Hz/ operation – HDD |
| Anti-Shock | — |
| Certification | CE/FCC class A |

Specifications

| System | |
|-------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CPU | 7th Generation Intel® Core™ Processor family: Intel® Core™ i7-7700T, 2.9 GHz Intel® Core™ i5-7500T, 2.8 GHz Intel® Core™ i3-7101TE, 3.4 GHz Intel® Pentium® G4600T, 3.0 GHz Intel® Pentium® G4560T, 2.9 GHz Intel® Celeron® G3930T, 2.7 GHz 6th Generation Intel® Core™ Processor family: Intel® Core™ i7-6700TE, 2.4 GHz Intel® Core™ i5-6500TE, 2.3 GHz Intel® Core™ i3-6100TE, 2.7 GHz Intel® Pentium® G4500T, 3.0 GHz Intel® Pentium® G4400T, 2.9 GHz Intel® Celeron® G3900T, 2.6 GHz |
| Chipset | Intel® Q170 |
| System Memory | DDR4 1866/2133 SODIMM slot x 2, up to 32GB |
| Display Interface | HDMI, VGA |
| Storage Device | CFAST™, HDD/SSD |
| Ethernet | Intel® i210, 10/100/1000 Base-TX x 3 |

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 | Operating Temp. |
|--------------------|-----|-----|-----|---------------|---------|----------------|-------------|----------------------------|----------------------------------|---------------------|-----------------------------------------------|-----------|-------------|-----------------------------|
| BOXER-6839-A1-1010 | — | — | 3 | 6 | 2 | 6 | 34 bit | MIC-in x 1 Line-Out x 1 | 2.5" Drive Bay x 2 CFast™ x 1 | VGA x 1 HDMI x 2 | PCIe[x4] + PCIe[x1] Full-size Minicard x 2 | Wallmount | 9~36V DC In | -4°F ~ 131°F (-20°C ~ 55°C) |
| BOXER-6839-A2-1010 | — | — | 3 | 6 | 2 | 6 | 34 bit | MIC-in x 1 Line-Out x 1 | 2.5" Drive Bay x 2 CFast™ x 1 | VGA x 1 HDMI x 2 | PCIe[x4] + PCI Full-size Minicard x 2 | Wallmount | 9~36V DC In | -4°F ~ 131°F (-20°C ~ 55°C) |
| BOXER-6839-A3-1010 | — | — | 3 | 6 | 2 | 6 | 34 bit | MIC-in x 1 Line-Out x 1 | 2.5" Drive Bay x 2 CFast™ x 1 | VGA x 1 HDMI x 2 | PCI x 2 Full-size Minicard x 2 | Wallmount | 9~36V DC In | -4°F ~ 131°F (-20°C ~ 55°C) |

Packing List

- Wallmount Bracket x 2
- Screw Package x 1
- Thermal Pad x 3
- Phoenix Power Connector x 1
- BOXER-6839

Optional Accessories

- **125590120B**
Power Adapter
- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (Europe)
- **170203180E**
Power Cord (Japan)
- **9741159H00**
WiFi/Bluetooth Module & Antenna
- **9741EC25E0**
4G Module & Antenna (For Europe)
- **9741EC25A0**
4G Module & Antenna (For USA-AT&T)
- **9741EC25V0**
4G Module & Antenna (For USA-Verizon)