eBOX671-521-FL

Fanless Embedded System with LGA1151 9th/8th Gen Intel® Core™ i7/i5/i3 & Celeron® Processors, 4-CH PoE and MXM 3.1 Type A

Features

- 9th/8th gen Intel® Core™ i7/i5/i3 & Celeron® with Intel® Q370 chipset (Coffee Lake/Coffee Lake Refresh-S)
- 4-CH PoE (IEEE802.3at compliance)
- Dual swappable 2.5” SATA HDD drive bay with RAID 0 & 1
- Supports MXM 3.1 type A graphics module (optional)
- Supports Intel® Movidius Myriad X VPU (optional mPCIe)
- DVI-I, HDMI, and DisplayPort with triple-view supported
- AMS.AXView 3.0 intelligent remote monitoring software for IIoT

Specifications

- Standard Color Silver
- Construction Aluminum extrusion and heavy-duty steel, IP40
- CPU LGA1151 9th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W)
  LGA1151 8th gen Intel® Core™ i7/i5/i3 & Celeron® processors (35W/65W)
- System Memory 2 x 260-pin DDR4-2666 SO-DIMM, up to 64GB (ECC supported by Intel® C246 PCH)
- Chipset Intel® Q370/optional Intel® C246 PCH
- BIOS AMI
- System I/O Outlet 2 x RS-232/422/485
  1 x HDMI, 1 x DisplayPort, 1 x DVI-I
  4 x Power over Ethernet (IEEE802.3at), up to 60W
  2 x 10/100/1000 Mbps Ethernet (i210-IT & i219-LM)
  4 x USB 3.1 Gen2, 2 x USB 3.1 Gen1
  1 x Phoenix type VDC power input connector
  1 x AT/ATX quick switch
  1 x ATX power switch
  1 x Reset switch
  1 x Remote switch
  1 x Flexible I/O window (Default: 2 x DB9 half-cut bracket)
  4 x SMA-type antenna connector
- Watchdog Timer 255 levels, 1 to 255 sec.
- Storage 2 x 2.5” HDD drive bay (max. up 9.5 mm height)
  1 x mSATA (enabled in BIOS setting)
- Expansion Interface 2 x full-size PCI Express Mini Card slot (USB + PCIe signal)
  2 x SIM slot
  1 x internal MDM3.1 type A connector
- TPM TPM 2.0
- System Indicator 1 x Green LED for system power-on
  1 x Green LED for HDD active
  4 x Green LED for programmable
- Power Input 24 VDC
- Operating Temperature Without MXM module:
  -40°C to 80°C (-40°F to +140°F) (with W.T. DRAM & SSD, CPU TDP 35W)
  -40°C to 50°C (-40°F to +122°F) (with W.T. DRAM & SSD, CPU TDP 65W)
  With MXM module:
  -40°C to 50°C (-40°F to +122°F) (with W.T. DRAM & SSD & MXM kit, CPU TDP 35W)
- Humidity 10% - 90%, non-condensing
- Shock Vibration IEC 60068-2-33 (w/ SSD: 25Grms STD, random, 5 - 500 Hz, 1 hr/axis)
- Vibration Endurance IEC 60068-2-64 (w/ SSD: 3G rms STD, random, 5 - 500 Hz, 1 hr/axis)
- Dimensions 280 mm (11.02”) (W) x 210 mm (8.26”) (D) x 80.5 mm (3.16”) (H)
- Weight (net/gross) 4.8 kg (10.68 lb)/5.6 kg (12.34 lb)
- Certifications CE, FCC Class A
- EOS Support Win 10 IoT, Linux
- Software Support AMS.AXView 3.0

Packing List

- 1 x Quick manual
- 1 x Driver CD
- 1 x Screw pack
- 4 x Pre-installed foot pad
- 1 x 3-pin terminal block connector
- 1 x Remote switch cable

Power Protection

- DC Version
  - OVP (over voltage protection)
  - UVP (under voltage protection)
  - OCP (over current protection)
  - SCP (short circuit protection)
- Reserve protection

Ordering Information

1. eBOX671-521-FL
2. eBOX671-521-FL-DC-4PoE
3. eBOX671-521-FL-DC-6GbE

Optional

- 2.5” SATA HDD 80GB or above
- 2.5” SATA SSD 100GB or above
- DDR4 SODIMM 4GB to 32GB
- mSATA 64GB or above
- 8816K6718A0E Wall mount kit
- 8816K6719A0E DIN-rail kit
- 8816K9603A0E Wi-Fi module
- 3G/4G module
- MXM 3.1 Type A module
- MXM 3.1 Type A module

* Specifications and certifications may vary based on different requirements.

Dimensions

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