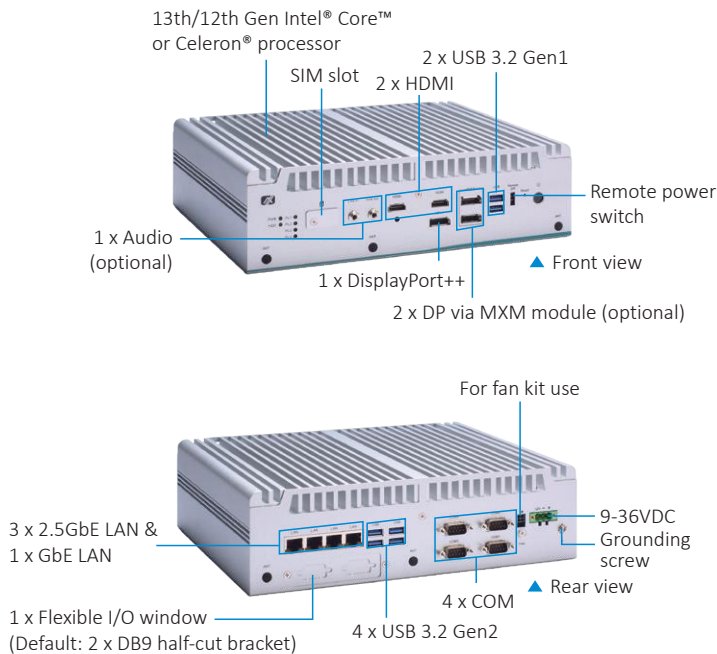


eBOX671B NEW

Fanless Embedded System with LGA1700 Socket 13th/12th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® Processor, Intel® R680E, 2 HDMI, 1 DisplayPort, 6 USB, 4 LANs, MXM 3.1 Type A, and 9 to 36 VDC



Features

- 13th/12th Gen Intel® Core™ i9/i7/i5/i3 and Celeron® processors with Intel® R680E chipset (Alder Lake S)
- Dual DDR5 SO-DIMM for up to 64GB of memory
- 4 LAN with optional PoE supported
- Dual 2.5" SATA HDD drive bays with RAID 0 & 1
- Supports MXM 3.1 Type A, up to 5 display outputs
- -40 °C to +65 °C wide operating temperatures
- Wide range power input from 9 to 36 VDC
- Flexible I/O window supported via mPCIe modules



Specifications

Standard Color	Silver	
Construction	Aluminum extrusion and heavy-duty steel, IP40	
CPU	LGA1700 socket 13th/12th Gen Intel® Core™ i9/i7/i5/i3 & Celeron® processor (35W/65W)	
System Memory	2 x 262-pin DDR5-4800 SO-DIMM, up to 64GB	
Chipset	Intel® R680E	
BIOS	AMI	
System I/O Outlet	Front side 2 x HDMI 1.4b (1 x lockable) 1 x DisplayPort 1.4a 2 x DisplayPort 1.4a via optional MXM kit 2 x USB 3.2 Gen1 1 x Power button 1 x Remote switch 1 x Front access SIM slot with cover (for M.2 Key B) 1 x Reset switch connector 3 x Antenna opening 1 x Audio (MIC-in/Line-out); by request	Rear side 4 x USB 3.2 Gen2 3 x 2.5 GbE (Intel® i226-IT)* 1 x GbE LAN (Intel® i219-LM)* 2 x RS-232/422/485 with autoflow 2 x RS-232 1 x Phoenix type VDC power input connector 1 x Flexible IO window (Default: 2 x DB9 half-cut bracket) 1 x Grounding screw 2 x Antenna opening
Watchdog Timer	255 levels, 1 to 255 sec.	
Storage	2 x 2.5" SATA HDD/SSD (up to 15 mm height; RAID 0,1 supported) 1 x NVMe by M.2 Key M 2280 1 x mSATA (enable in BIOS setting)	
Expansion Interface	1 x Full-size PCI Express Mini Card slot (USB 2.0 + PCIe + SIM + mSATA signal) 1 x M.2 Key M 2280 socket (for storage) 1 x M.2 Key E 2230 socket (for Wi-Fi 6E) 1 x M.2 Key B 3052 socket (for 5G) 1 x Internal SIM slot for PCIe Mini Card slot 1 x MXM3.1 type A connector	
TPM	TPM 2.0	

Specifications

System Indicator	1 x Green LED for system power 1 x Orange LED for HDD active 4 x Programmable Green LED
Power Input	9 to 36 VDC with ACC ignition
Operating Temperature	Without MXM module: -40°C to +65°C (-40°F to +140°F) (with W.T. DRAM & SSD, CPU TDP 35W) -40°C to +55°C (-40°F to +122°F) (with W.T. DRAM & SSD, CPU TDP 65W) With MXM module: -40°C to +55°C (-40°F to +122°F) (with W.T. DRAM & SSD & MXM kit, CPU TDP 35W)
Humidity	10% - 90%, non-condensing
Shock Vibration	IEC 60068-2-27 (w/ SSD: 50G, half-sine, 11 ms duration)
Vibration Endurance	IEC 60068-2-64 (w/ SSD: 3Grms STD, random, 5- 500 Hz, 1 hr/axis)
Package Vibration	MIL-STD-810G 514.6C-II compliance
Dimensions	280 mm (11.02") (W) x 210 mm (8.26") (D) x 80.5 mm (3.16") (H)
Weight (net/gross)	4.9 kg (10.8 lb)/7 kg (15.43 lb)
Certifications	CE, FCC Class A, UKCA
EOS Support	Win 10 IoT, Win 11 IoT, Linux

* 4 PoE by request (PoE IEEE802.3at, up to 60W)

** W.T.: Wide Temperature. All W.T. supported products have to be sorted by Axiomtek.

Packing List

- 1 x Thermal grease
- 1 x 3-pin terminal block connector
- 1 x Remote power switch cable
- 4 x Foot pad
- 1 x M.2 bracket + 2 x thermal pad + screw
- 2 x HDD bracket + screws

Power Protection

DC Version

- OVP (over voltage protection)
- UVP (under voltage protection)
- OCP (over current protection)
- SCP (short circuit protection)
- Reverse protection

Ordering Information

Standard

eBOX671B-ALD-GbE	Fanless embedded system with LGA1700 socket 13th/12th Gen Intel® Core™ i9/i7/i5/i3 or Celeron® processor, Intel® R680E, 2 HDMI, DisplayPort, 6 USB, 4 LAN, and 9 to 36 VDC
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Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR5 SO-DIMM	8GB to 32GB
mSATA	64GB or above
8816K6718A0E	Wall mount kit
886K671A0A0E	DIN-rail kit
	Wi-Fi/LTE module
509000001500	24V 120W power adapter Power cord
E392903102	AX92903 CANbus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392918103	AX92918 Dual LAN PCI Express Mini module
590000002700	DIO cable, L=20 cm, DB9 connector FAN kit NVIDIA RTX™ A2000 MXM module NVIDIA RTX™ A500 MXM module NVIDIA RTX™ T1000 MXM module

* Specifications and certifications may vary based on different requirements.

Dimensions

