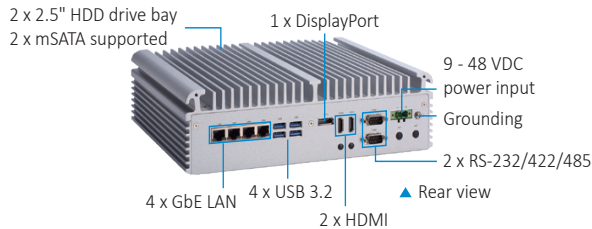
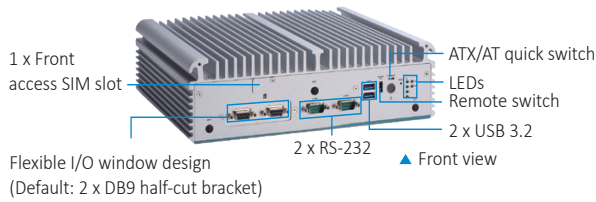


# eBOX671A NEW

Fanless Embedded System with LGA1200 Socket 11th/10th Gen Intel® Xeon®, Core™ i9/i7/i5/i3 or Celeron® Processor, Intel® W480E, 2 HDMI, DisplayPort, 6 USB, 4 LAN, and 9 to 48 VDC



## Features

- LGA1200 11th/10th gen Intel® Xeon®, Core™ i9/i7/i5/i3 or Celeron® with Intel® W480E chipset (Comet Lake-S)
- 4 GbE LAN with optional PoE supported
- Dual 2.5" SATA HDD drive bays with RAID 0 & 1
- 2 HDMI and 1 DisplayPort for triple-view
- -40°C to +70°C wide range operation temperature
- Wide range power input from 9 to 48 VDC
- Flexible I/O window supported via mPCIe modules



## Specifications

Standard Color	Silver	
Construction	Aluminum extrusion and heavy-duty steel, IP40	
CPU	LGA1200 socket 11th/10th Gen Intel® Xeon®, Core™ i9/i7/i5/i3 or Celeron® processor (35W/65W)	
System Memory	2 x 260 pin DDR4-2933 ECC*/non-ECC SO-DIMM, up to 64GB *ECC memory is available with Intel®Xeon® processor	
Chipset	Intel® W480E	
BIOS	AMI	
System I/O Outlet	<b>Front side</b> 1 x Power button 1 x AT/ATX quick switch 2 x USB 3.2 Gen2 1 x Remote switch 1 x Front access SIM slot with cover (for M.2 Key B) 1 x Reset switch connector 2 x RS-232 (COM3/4) 3 x Antenna opening 1 x Flexible I/O window (Default: 2 x DB9 half-cut bracket)	<b>Rear side</b> 1 x DC-in Phoenix type 2 x HDMI 1.4b (lockable) 1 x DisplayPort 1.2 ++ 3 x USB 3.2 Gen2 1 x USB 3.2 Gen1 4 x GbE LAN (PoE* by option) (3 x Intel® I210-IT, 1 x Intel® I219-LM) 2 x RS-232/422/485 (COM1/2) 2 x Antenna opening 1 x Grounding screw
Watchdog Timer	255 levels, 1 to 255 sec.	
Storage	2 x 2.5" SATA HDD/SSD (up to 15 mm height & RAID 0 & 1) 2 x mSATA (enabled in BIOS setting & RAID 0 & 1)	
Expansion Interface	2 x Full-size PCI Express Mini Card slot (USB + PCIe + SATA signal) 1 x M.2 Key B 3050 slot (for 5G) 1 x Internal SIM slot for PCIe Mini Card slot	
TPM	TPM 2.0	
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 48V DC input for standard *optional PoE function only supports 24V DC input*	

## Specifications

Operating Temperature	Ethernet version : -40°C to +70°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 35W) (with W.T. DRAM & SSD) -40°C to +60°C (-40°F to +140°F) with 0.7 m/s air flow (CPU TDP 65W) (with W.T. DRAM & SSD)  PoE version (optional) : -40°C to +60°C (-40°F to +140°F) with 0.7 m/s air flow (CPU TDP 35W) (with W.T. DRAM & SSD) -40°C to +50°C (-40°F to +122°F) with 0.7 m/s air flow (CPU TDP 65W) (with W.T. DRAM & SSD)
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)
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 11/10 IoT, Linux

\* 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

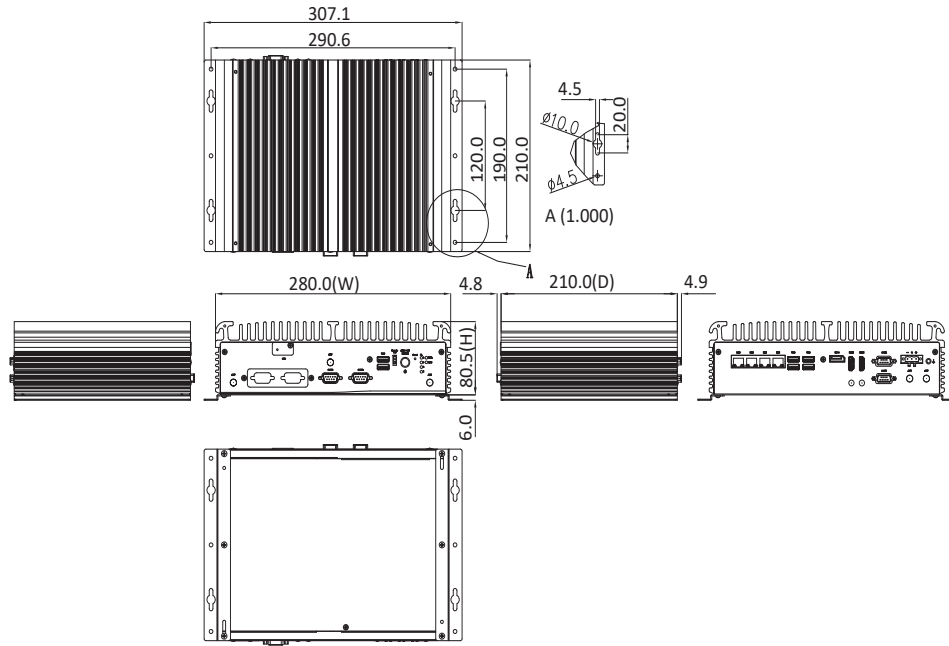
eBOX671A-CML-GbE (P/N: E36K671A00)	Fanless embedded system with LGA1200 socket 11th/10th Gen Intel® Xeon®, Core™ i9/i7/i5/i3 or Celeron® processor, Intel® W480E, 2 HDMI, DisplayPort, 6 USB, 4 LAN, and 9 to 48 VDC
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### Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 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
E392906101	AX92906 COM Mini PCIe Module
E392903102	AX92903 CANbus PCI Express Mini module
E392902103	AX92902 LAN PCI Express Mini module
E392918103	AX92918 Dual LAN PCI Express Mini module

\* Specifications and certifications may vary based on different requirements.

**Dimensions**



## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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