

# eBOX671A NEW

Fanless Embedded System with LGA1200 Socket 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 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
- Two 10GbE LAN (X550-T2) by request
- Hilscher CIFX 90E series compatible



## Specifications

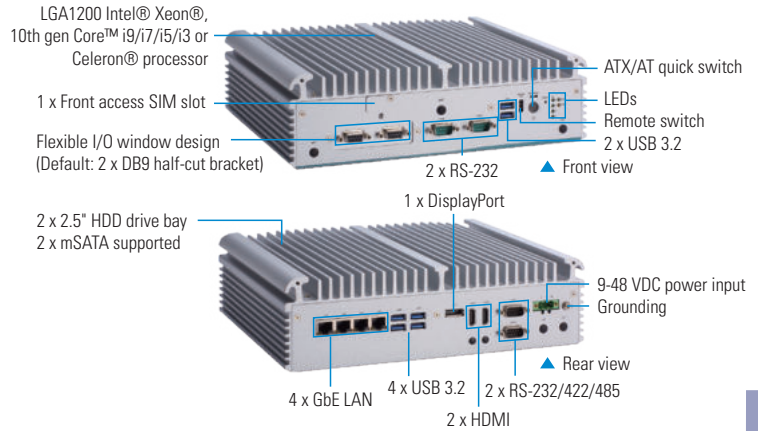
Standard Color	Silver
Construction	Aluminum extrusion and heavy-duty steel, IP40
CPU	LGA1200 socket 10th gen Intel® Xeon®/Core™ i9/i7/i5/i3 or Celeron® processor (35W/65W)
System Memory	2 x 260 pin DDR4-2933 ECC*/non-ECC SO-DIMM, up to 64GB *ECC memory is available with Intel®/Xeon® processor
Chipset	Intel® W480E
BIOS	AMI
System I/O Outlet	Front side: 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 button 2 x RS-232 3 x Antenna opening 1 x Flexible I/O window (Default: 2 x DB9 half-cut bracket) 2 x 10GbE (X550-T2) by request 1 x Grounding Rear side: 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 (PoE*) (3 x Intel® I210-IT, 1 x Intel® I219-LM) 2 x RS-232/422/485 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) 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 (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 48 VDC
Operating Temperature	-40°C to 70°C (-40°F to +158°F) with 0.7 m/s air flow (CPU TDP 35W) -40°C to 60°C (-40°F to +158°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
EOS Support	Win 10 IoT, Linux

\* PoE IEEE802.3at, up to 60W

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

Updated May, 23, 2022.

\* All specifications and photos are subject to change without notice.



## Packing List

- 1 x Thermal grease
- 1 x 3-pin terminal block connector
- 1 x Remote 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)
- OC (over current protection)
- SCP (short circuit protection)
- Reserve protection

## Ordering Information

### Standard

eBOX671A-CML-GbE (P/N: E36K671A00)	Fanless embedded system with LGA1200 socket 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
eBOX671A-CML-PoE	Fanless embedded system with LGA1200 socket 10th gen Intel® Xeon®/Core™ i9/i7/i5/i3 or Celeron® processor, Intel® W480E, 2 HDMI, DisplayPort, 6 USB, 4 PoE, and 24VDC only (preliminary)

### Optional

2.5" SATA HDD	80GB or above
2.5" SATA SSD	100GB or above
DDR4 SO-DIMM	4GB to 32GB
mSATA	64GB or above
8816K6718A0E	Wall mount kit
886K671A0A0E	DIN-rail kit
50906D24000E	3G/LTE/5G module
E392903102	24V 120W power adapter
E392902103	Power cord
E392918103	AX92903 CANbus PCI Express Mini module
59000002700	AX92902 LAN PCI Express Mini module
	AX92918 Dual LAN PCI Express Mini module
	DIO cable, L=20 cm, DB9 connector

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

## Dimensions

