

Features

- Motherboard: MX670QD Mini ITX Motherboard Inside
- LGA 1700 socket supports 12th Gen Intel® Alder Lake Core™ i9, i7, i5, i3, Pentium, Celeron Processor
- Intel® Q670E PCH, x4 Gen4 DMI
- 4 x DP++
- 6 x USB 3.2 Gen 2x1 Type-A (Rear I/O)
- 2 x USB 2.0 or 3.2 Gen 2x1 (Front I/O)
- 1 x USB 3.2 Gen 2x2 Type-C
- 2 x Intel® I225-V 2.5GbE LAN
- 12V - 24V Wide Range DC-in
- Thin and Compact 8.587" L x 8.00" W x 2.166" H
- Optional COM port at rear I/O



Specifications

System	
Motherboard Inside	MX670QD Mini-ITX
CPU	LGA 1700 socket supports Intel® Alder Lake/Raptor Lake Core™ i9, i7, i5, i3, Pentium, Celeron Processors
System Chipset	Intel® Q670E PCH
DMI	x8 Gen4 DMI
System Memory	2 x SODIMM sockets support Dual Channel DDR 5 5200MHz up to 128GB
BIOS	AMI uEFI BIOS, 256Mb SPI Flash ROM
Ethernet	LAN 1: Intel® I225-LM 2.5 Gigabit Ethernet Controller LAN 2: Intel® I225-LM 2.5 Gigabit Ethernet Controller
Audio	Realtek HD Audio support 7.1 channel sound playback
Expansion	1 x M.2 M-Key 2242/2280 NVMe (PCIe x4 + SATA III) 1 x M.2 E-Key 2230 with CNVi Support (PCIe x1 + USB 2.0)
TPM	TPM 2.0
OS Support	Windows 10, Windows 11, Linux
Display	
Chipset	Intel® Integrated Iris Xe Graphic (CPU Dependent)
Resolution	4 x Dual Mode DisplayPort 1.4a 4K@60Hz

External I/O - Front	
USB	2 x USB 2.0
Power	1 x Power Button with LED
Other	1 x Reset Switch

External I/O - Rear	
Display	4 x DP++
USB	6 x USB 3.2 Gen 2x1 Type-A 1 x USB 3.2 Gen 2x2 Type-C
LAN	2 x RJ45
Audio	Line-in, Line-out, Mic-in
DC-in	1 x DC-In
COM Port	Optional additional COM port at rear I/O

Mechanical & Environment	
Power Type	Power Input: Typical 12/24 Vdc (+12~ 26V)
Power Adapter	Input: 100~240 Vac/50~60Hz Output: 90W Adapter (19V @ 4.73A)
Operating Temp.	0 ~ 35°C (32 ~ 95°F)
Storage Temp.	-20°C ~ 80°C (-4°F ~ 176°F)
Operating Humidity	10% ~ 86% Relative Humidity, Non-condensing
Certification	CE, FCC Class A, RoHS Compliant
Dimensions	8.587" L x 8.00" W x 2.166" H (218.18 x 203.20 x 55.01mm)
Weight	4.25 lbs

Ordering Info	
BI280-670QD	Intel® Q670E Industrial Computer, Power Adapter

* All product specifications and images are subject to change without notice. Last update: 2022/02/07

