

Model: MPCX-Q670-2E

Industrial Fanless Computer - Intel® 12th to 14th Gen. Processor



Main Feature

- Fanless Design with oxidized Aluminium Casing
- Supports 12th to 14th Gen. Intel® Core™ i3/5/7 processor (LGA 1700)
- VGA + HDMI support Independent Dual Displays
- 6 x Intel GLAN (4 x PoE), 4 x COM ports, 10 x USB 2.0/3.0
- 12 to 24VDC Wide range power input
- 2 x Expansion slots: PCI-E 3.0 X16 & X8

Application:

Digital Signage, Factory Automation; Processor Automation; Intelligent Traffic Control;
Medical Equipment; Marine / Offshore Industrial ...

Specification	
Item	Description
Product Model	MPCX-Q670-2E
Processor	Supports 12 - 14 th Gen. Intel® Core™ / Celeron® processors with LGA 1700 socket
Chipset	Intel® Q670
Memory	2 x DDR4 SO-DIMM Socket up to 64GB
BIOS	AMI 64MB Flash ROM
Graphic	1 x VGA port Supports the highest resolution 1920x1200 @60Hz 1 x HDMI ports Support the highest resolution 4096x2160 @60Hz
Storage	Space for 1 x 2.5" bay for SSD/HDD, 1 x mSATA for SSD, 1 x M.2 2280
Audio	HD Audio, Line-Out & Mic.-In
LAN	6 x Intel® i210 Gigabit LAN Controller, 4 x supports PoE
USB port	8 x USB 3.0 and 2 x USB 2.0
COM Port	4 x COM, COM3/4 support RS232/422/485
Watch-Dog Timer	Programmable 0 to 255 min, support Hardware Reset

Expansive interface	1 x Mini PCI-E, 1 x M.2 2230 Key E Slot for WIFI & Bluetooth, 1 x M.2 2240 Key B Slot, 1 x M.2 slot for M.2 2280 NVME PCIe4 SSD, 1 x PCI-E3.0 X16, and 1 x PCI-E3.0 X8
I/O port	VGA + HDMI, 6 x RJ45, 8 x USB 3.0, 2 x USB 2.0, 4 x COM, 1 x Lin-out / Mic.-In, 1 x Power Switch, 1 x DC input, 1 x Remote PWR
Power Supply	12 - 36 VDC wide range
Construction	Oxidized Aluminium Case
OS supporting	Windows 10/11, Linux
Environment	Operating / Storage temperature: -10 °C to 60 °C / 20 °C to 80 °C Storage humidity: 5% to 95%non-condensing Vibration: 17 to 500HZ 1G PTP; Shock: 1G /peak(11m sec)
Compliance	CE; FCC; ROHS
Dimension W x H x D	229 x 208 x 125mm

Ordering Information

MPCX-Q670-2E	Industrial Fanless Computer Intel® Q670 Chipset, 2 x Expansion slots
Optional (Intel Processor)	Refer to “Processor List”
Optional - RAM	8 to 64GB DDR4 SO-DIMM RAM
Optional - SSD/HDD	128 GB to 2TB SSD / 1TB to 2TB 2.5” SATA HDD
Optional - Wifi	WIFI + Bluetooth with Antenna
Optional - OS	Windows 10 / 11 Professional , or Win 10 / 11 IoT Enterprise 64 bit

Structure Diagram

