

Model: MPCX-Q670

Industrial Embedded 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 2.0 support Independent Dual Displays
- 2 x Intel GLAN, 6 x COM ports, 10 x USB 2.0/3.0
- BIOS Set-up “Auto Power-On”, and “Wake on LAN”
- Optional: 6 x GLAN (4 x PoE) & 4 x COM

Application:

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

Specification	
Item	Description
Product Model	MPCX-Q670
Processor	Supports 12 - 14 th Gen. Intel® Core™ / Celeron® processors with LGA 1700 socket
Chipset	Intel® B670
Memory	2 x DDR4 SO-DIMM Socket up to 64GB
BIOS	AMI 64MB Flash ROM
Graphic	- VGA port Supports the highest resolution 1920x1200 @60Hz - HDMI 2.1 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	2 x Intel® i210 Gigabit LAN Controller
USB port	8 x USB 3.0 and 2 x USB 2.0
COM Port	2 x RS 232 & 4 x232/422/485 (Isolated)
GPIO	8 x Digital Input and 8 x Digital Output
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 slot for M.2 2280 NVME PCIe4 SSD
I/O port	VGA + HDMI, 2 x RJ45, 8 x USB 3.0, 2 x USB 2.0, 6 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 67mm

Ordering Information

MPCX-Q670	Industrial Fanless Computer Intel® Q0670 Chipset Based
Optional (Intel Processor)	Refer to "Processor List"
Optional (6GL)	Upgrade to 6 x Intel® i210 GLAN (4 x POE), 4 x COM
Optional - RAM	8 to 64GB DDR4 SO-DIMM RAM
Optional - SSD/HDD	64 GB to 2TB SSD / 500GB 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

