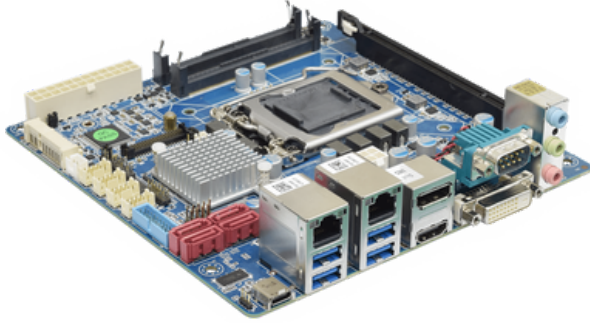




INDUSTRIAL MOTHERBOARD

CT-XCL01

Mini-ITX Industrial Motherboard with LGA 1151 Socket Support 9th Gen. Intel® Core™ Desktop Processor, Q370 Chipset



Features

- LGA 1151 Socket Support 9th Gen. Intel® Coffee Lake-S Core™ i7/i5/i3 Desktop Processor Up to 65W
- Q370 Chipset
- 2x DDR4 SO-DIMM support up to 32GB
- Triple Independent Display
- External IO Interface Ports: 1 x RS-232/422/485; 4 x USB3.1 Ports, 1 x USB3.1 Type C (optional)
- Internal IO Interface Ports: 4 x RS232; 2 x USB3.1 Ports, 2 x USB2.0 Ports
- 1x M.2 SATA, 4x SATA
- 1x PCIe x16, 1x Mini PCIe
- OS Support: Windows 10 (64 Bit) and Linux Fedora/Ubuntu
- TPM 2.0

Specifications

System	
Processor	Socket LGA1151 supports Intel next generation DT processors (Coffee Lake-S)
System Chipset	Intel 300 series chipset (Intel Q370) (Co-Lay H310)
LAN Chipset	Realtek RTL8111G GbE LAN
Audio Codec	ALC892 (Co-Lay ALC888S)
System Memory	2x SO-DIMM, DDR4, 2133/2400/2666 (depend on CPU) MT/s, Max 32 GB
BIOS	AMI® UEFI BIOS 256Mb Flash
Watchdog	Software Programmable Supports 1~255 sec. System Reset
TPM	TPM 2.0 Through Infineon® SLB9665TT2.0 or Equivalent (Optional)
Display	
Display Port	1x DP 1.2
DVI	1x DVI-D
HDMI	1x HDMI 1.4
LVDS	1x LVDS
Storage	
M.2	1x M.2 (w/ SATA III) (for Key-M, 2280) SATA Only
mSATA	1x mSATA (shared with Mini PCIe)
SATA	4x SATA III (support RAID 0/1/5/10)
Expansion	
Mini PCIe	1x Full/Half Mini PCIe
PCIe	1x PCIe x16 gen 3
Rear I/O	
Audio	1x Line-in, Line-out, Mic-in
COM	1x RS-232 (1 support RS422/485)
LAN	2x RJ45
USB	4x USB 3.1 Gen 2 1x USB-C (optional)
Internal I/O	
COM	4x RS-232 Headers (2.0 mm Pitch Locking Type)
DIO	8bit (2.00 mm pin Header)
USB	1x USB 3.0 Headers (2 Ports) 1x USB 2.0 Headers (2 Ports)
Others	1x Backlight Locking Type Header 2x 4-pin PWM Smart Fan 1x LPC Header (2.0mm Pitch) 1x SPI Header (2.0mm Pitch) 1x Cable Style CMOS Battery
Operating System	
Windows	Microsoft® Windows® 10 64-bit
Linux	Linux (Fedora/Ubuntu)
Power	
Power Mode	ATX 12V
Power Connector	24 Pin ATX Power Connector
Environment	
Operating Temperature	0°C ~ 60°C
Storage Temperature	-40°C ~ 90°C
Relative Humidity	95% @ 40°C (non-condensing), operating 95% @ 60°C (non-condensing), Non-operating
Certification	CE, FCC Class B (pre-test)
Vibration	Random vibration 3.5g (Non-op)

Physical	
Dimensions	mini ITX (170mm x 170mm)

Available Models

- CT-XCL01
Mini-ITX Industrial Motherboard

Packing List

1x CT-XCL01

Exports And Tariff Codes

ECCN	5A992.c
HTS	8504.90.2000
ScheduleB	8473.30.0002

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

External I/O Mechanical Layout

