

CT-MSL01

MicroATX Industrial Motherboard with LGA 1151 Socket for 6th Gen. Intel® Core™ i7/i5/i3 Processor, Q170 PCH

FEATURES

- Intel® 6th Gen. Core™ i7 / i5/ i3 Processor (LGA1151) with Q170 PCH
- 4x DDR4 DIMM support up to 64GB
- 2x Intel® GbE supporting Wake-on-LAN and PXE
- Supports triple displays from VGA / DVI / DisplayPort / HDMI
- Supports 1x PCIe x16, 1x PCIe x4, 1x PCIe x1, 1x PCI, 1x Mini PCIe
- Supports 1x M.2 and 4x SATA 6.0Gb/s
- Supports up to 6x COM port, 6x USB 3.0, 6x USB 2.0
- 1x 8-bit GPIO (4-in / 4-out)
- Support Intel® AMT 11.0
- Supports TPM 2.0 (Optional)

SPECIFICATIONS

SYSTEM

Processor	LGA 1151 socket supporting 6 th Gen Intel® Core™ i3/i5/i7 Desktop Processor - Intel® Core™ i7-6700TE, Quad Core, up to 3.4 GHz - Intel® Core™ i5-6500TE, Quad Core, up to 3.3 GHz - Intel® Core™ i3-6100TE, Dual Core, 2.7 GHz
System Chipset	Intel® Q170 PCH
LAN Chipset	1x Intel® I219LM GbE PHY 1x Intel® I211AT GbE controller
Audio Codec	Realtek ALC892 HD Audio Codec
Memory	4x 288-Pin DDR4 1866/2133MHz DIMM
Max. Size	64GB
BIOS	AMI uEFI 128MB SPI flash
Watchdog	Software Programmable Supports 1~255 sec. System Reset
TPM	TPM2.0 supported (optional)
iAMT	Intel® AMT 11.0 supported

DISPLAY

Chipset	Intel® 9 th Generation Graphic
Interface	1x VGA, 1x DVI-D, 1x DisplayPort, 1x HDMI
Multiple Display	Triple Display

STORAGE

SATA	4 x SATA 6.0Gb/s
M.2	1x M.2 (M-Key, Type: 2280)

EXPANSION

Mini PCI Express	1x Full-size Mini PCIe
PCI Express	1x PCIe x16 1x PCIe x4 1x PCIe x1
PCI	1x PCI

ORDERING INFORMATION

MODEL NO.

DESCRIPTION

CT-MSL01	MicroATX industrial motherboard with LGA 1151 socket supporting 6 th Gen Intel® Core™ i3/i5/i7 Desktop Processor
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REAR I/O

Display	1x VGA, 1x DVI-D, 1x DisplayPort, 1x HDMI
COM	2x RS-232/422/485
USB	4x USB 3.0
LAN	2x RJ45
Audio	1x Line-in, 1x Line-out, 1x Mic-in

INTERNAL I/O

COM	4x RS-232
USB	2x USB 3.0, 6x USB 2.0
SATA	4 x SATA 6.0Gb/s
Audio	1x Front panel audio
GPIO	1x 8-bit GPIO (4-in/4-out)
Others	1x PS/2 KB/MS 1x LPC 1x Front panel 1x CPU fan 2x System fan

OPERATING SYSTEM

Windows	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7
Linux	Linux kernel 4.X

POWER

Power Connector	2x12-pin and 2x2-pin power connector
Power Input	ATX power
Management	ACPI 5.0 compliant

MECHANICAL & ENVIRONMENT

Form Factor	MicroATX
Dimension	244mm x 244mm
Operating Temp.	0°C ~ 60°C
Storage Temp.	-40°C ~ 80°C
Operating Temp.	10% ~ 90% relative humidity, non-condensing

PACKING LIST

• 1x SATA cable	• 1x I/O port bracket
• 1x COM cable	• 1x Driver DVD