

The4thware Industrial Board (MATX)

12th Generation Intel Core, Pentium, Celeron Series Platform

T4WP-H610-MATX



PRODUCT SPECIFICATION

Specification	
CPU	LGA1700 socket for 12th Gen Intel® Core™ i9/ i7/ i5/ i3 / Pentium® / Celeron® Processors, Max. 65W TDP
CHIPSET	Intel® H610 chipset
Technology	DDR4 2133/2400/2666/2933/3200 MHz
Max.	64GB
Socket	2 x U-DIMM
HDMI	2, Supports HDMI 2.1 up to 4096 x 2160 @ 60 Hz
Display Port	1, Supports DP 1.4 up to 4096 x 2160 @ 60 Hz
VGA	1, Supports 1920 x 1200 @60 Hz
Triple Display	VGA/DP/HDMI1/HDMI2
PCIe x16	1 x PCIe 5.0 x16 slot
PCIe x4	1 x PCIe 3.0/2.0 x4 slot (x1 speed)
PCI	2 x PCI slot
Mini PCIe	1 x full/half mini-PCIe
Speed	10/100/1000Mbps
Controller	1 x Realtek® 8111H, 1 x Intel® i219V
Connector	2 x RJ-45
Codec	Realtek ALC897 High Definition Audio
Connector	Line-Out, Mic-in
SATA port	4 x SATA Gen 3.0, up to 6Gb/s *No. 4 SATA port shared with M.2
M.2	1 x M.2 Socket with M key, type 2242/2260/2280 (SATA/PCIe x4 mode)
HDMI	2
Display Port	1
VGA	1
USB3.2 GEN2	2
USB3.2 GEN1	2
Ethernet	2
Serial Port	2 (RS232/422/485)
Audio jack	2
Serial Port	4 (RS232)

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USB2.0	2x Header Support Additional 4x USB2.0 Connectors, 1x stick socket
CPU Fan Connector	1 (PWM Mode)
Chassis Fan Header	1 (PWM Mode)
Chassis Intruder Header	1
Front Panel Audio Header (AAFP)	1
System Panel Header	1 (10-1 Pin)
Clear CMOS Jumper	1
Speaker Connector	1 (4-pin)
GPIO Header	1 (8 Bit)
AT/ATX Select Header	1
PS/2(KBMS)	1
I2C header	1
Power Connector	1 x 8-pin ATX Power Connector, 1 x 24-pin ATX Power Connector