

The4thware Industrial Board (ATX)

12th Generation Intel Core, Pentium, Celeron Series Platform

T4WS-H610-ATX



PRODUCT SPECIFICATION

General	
CPU	Intel® 12 th Generation Core™ i3/i5/i7/i9, Pentium®, Celeron® CPU, LGA1700
Chipset	Intel® H610 Chipset, TDP 6W
Memory	DDR4-3200, 2*U-DIMM, up to 64GB
Storage	3*SATA 3.0 1*SATA 3.0/ 1*M.2 (Key-B, 2280, SATA)
Expansion Interface	1*PCIe x16 Slot 3*PCIe x4 Slot 3*PCI
BIOS	AMI UEFI BIOS
System	Windows 10/11, Linux
TPM	TPM2.0, Optional
I/O Interface	
Ethernet	1*Intel® i225-V 2.5GbE Ethernet Controller, RJ45 1*Intel® i219-V GbE Ethernet PHY, RJ45
Serial	4*RS232, 2*RS232/RS485
USB	4*USB 3.0, 7*USB 2.0
Audio	Realtek® Audio HDA Codec, with MIC/Line-out/Line-in
PS/2	1*PS/2 Port (Keyboard & Mouse)
GPIO	8*Programmable GPIO
Others	1*Case Open Header
Display	
Display Interface	1*DVI-D: max resolution up to 1920*1200@60Hz 1*HDMI 1.4b: max resolution up to 4096*2160@30Hz 1*VGA: max resolution up to 1920*1200@60Hz 1*eDP: max resolution up to 4096*2304@60Hz
Multiple Display	Triple
Mechanical & Environment	
Dimension	305*220mm
Power Input	ATX PSU
Temperature	Operation: 0°C~60°C, Storage: -25°C~75°C
Relative Humidity	Operation: 10%~90%, Storage: 5%~95%, non-condensing