

# The4thware Industrial Board (ATX)

10<sup>th</sup> Generation Intel Core, Pentium, Celeron Series Platform

T4WS-H420E-ATX



## PRODUCT SPECIFICATION

General	
CPU	Intel® 10th Generation Core™ i3/i5/i7/i9, Pentium®, Celeron® CPU, LG A1200
Chipset	Intel® H420E/Q470, TDP 6W
Memory	DDR4-2666/2933/3200, 2*U-DIMM, up to 64 GB
Storage	3*SATA 3.0
Expansion Interface	1*PCIe x16, 2*PCIe x4, 4*PCI 1*M.2 (Key-E, 2230, PCIe+USB 2.0, BT) 1*M.2 (Key-B, 2280, SATA/NVMe x2)
BIOS	AMI UEFI BIOS
System	Windows 10/11, Linux
I/O Interface	
Ethernet	2*Intel® 1Gbps PCIe Ethernet Controller, RJ45
Serial	4*RS232, 2*RS232/RS485
USB	6*USB 3.0, 8*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
Display	
Display Interface	1*VGA: max resolution up to 1920*1200@60Hz 1*HDMI: max resolution up to 4096*2160@30Hz 1*eDP: max resolution up to 4096*2304@60Hz 1*DVI-D: max resolution up to 1920*1200@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