

# The4thware Industrial Board (MITX)

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

## T4WS-H420E-MITX



## PRODUCT SPECIFICATION

General	
CPU	Intel® 10 <sup>th</sup> Generation Core™ i3/i5/i7/i9, Pentium®, Celeron® CPU, LGA 1200
Chipset	Intel® H420E, TDP 6W
Memory	DDR4-2133/2400/2666/2933, 2*U-DIMM, up to 32 GB
Storage	1*SATA 3.0
Expansion Interface	1*PCIe x16 1*M.2 (key-E, 2230, PCIe+USB 2.0, Wifi+BT) 1*M.2 (key-M, 2242/3052, PCIe x2+SATA+USB 2.0)
BIOS	AMI UEFI BIOS
System	Windows 10/11, Linux
Technology	TPM 2.0, KPMU 2.0
I/O Interface	
Ethernet	2*Realtek® 1Gbps PCIe Ethernet Controller, RJ45
Serial	10*RS232
USB	6*USB 3.0, 6*USB 2.0
Audio	Realtek® 5.1 channel 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*1080@60Hz 1*HDMI: max resolution up to 4096*2160@30Hz
Multiple Display	Dual
Mechanical & Environment	
Dimension	170*170mm
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