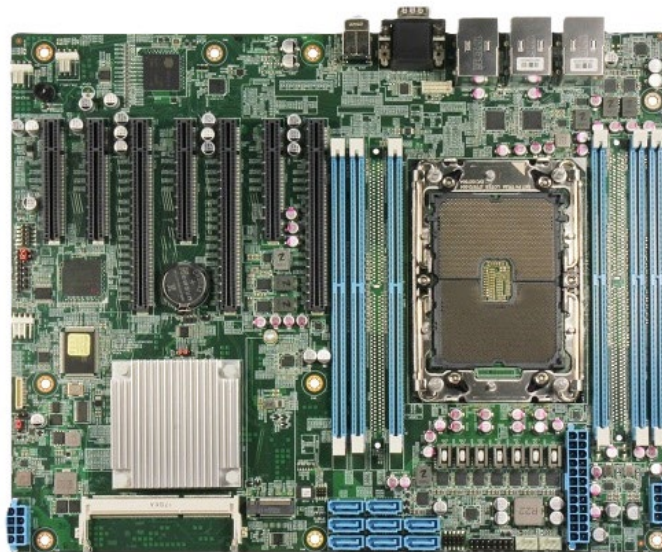


The4thware Industrial Board (ATX)

3th Generation Intel Xeon Scalable Series Platform

T4WA-C621A-ATX



PRODUCT SPECIFICATION

SYSTEM	
FORM FACTOR	ATX Sever Board Whitley Platform
PROCESSOR	Single Intel® Xeon® Processor Ice Lake-SP processor, supports up to 270W
SYSTEM MEMORY	DDR4 2666MHz R-DIMM Slot x 6, supports up to 192GB (32GB per DIMM)
CHIPSET	Intel®C621A
ETHERNET	Intel® i210 Gigabit Ethernet x 2
COM	RS-232 x 1
BIOS	AMI BIOS
SERIAL ATA	SATA III port x 8
AUDIO	1
EXPANSION INTERFACE	PCIE 1: 1 x PCIe x16 (Gen4 x16) slot PCIE 2: 1 x PCIe x8 (Gen3 x4) slot PCIE 3: 1 x PCIe x16 (Gen4 x16) slot PCIE 4: 1 x PCIe x8 (Gen4 x4) slot PCIE 5: 1 x PCIe x16 (Gen4 x16) slot PCIE 6: 1 x PCIe x8 (Gen3 x4) slot PCIE 7: 1 x PCIe x8 (Gen4 x8) slot
WATCHDOG TIMER	1~255 steps by software programming
RTC	Internal RTC
SYSTEM FAN	4-pin fan headers x 5(up to 5 fans)
FRONT I/O PANEL	N/A
REAR I/O PANEL	USB 3.0 x 6, 1Gb RJ45 LAN x 2, AUDIO in and out x 1, VGA x 1
COLOR	N/A
POWER SUPPLY	ATX
DIMENSION	12.0" x 9.6" (305mm x 244 mm)
POWER CONSUMPTION	269W (Based on Intel® Xeon® Platinum 8352S)
MTBF (HOURS)	292,321
DISPLAY	
DISPLAY CHIPSET	SM750
GRAPHICS ENGINE	N/A

PRODUCT SPECIFICATION

RESOLUTION	1920x1080 (WIN Server 2019); 800x600 (CentOS 7.3)
CONNECTOR	VGA
I/O	
SERIAL PORT	COM x 1 Pin
KB MOUSE	N/A
USB	USB 3.0 x 6
ENVIRONMENT	
OPERATING TEMPERATURE	32°F ~ 140°F (0°C ~ 60°C)
STORAGE TEMPERATURE	-4°F ~ 140°F (-20°C ~ 60°C)
OPERATING HUMIDITY	10%~80% relative humidity, non-condensing
STORAGE HUMIDITY	10%~80% @40°C; non-condensing
VIBRATION	0.5 g rms/ 5 ~ 500Hz / operation (2.5" Hard Disk Drive) 1.5 g rms/ 5 ~ 500Hz / non operation
SHOCK	10 G peak acceleration (11 m sec. duration), operation 20 G peak acceleration (11 m sec. duration), non operation