

WIO 3 AOC in 1U Dual 10GbE

Key Features

3rd Gen Intel® Xeon® Scalable processors, Single Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 270W TDP

Intel® C621A

Up to 2TB 3DS ECC RDIMM, DDR4-3200MHz; Up to 2TB 3DS ECC LRDIMM, DDR4-3200MHz Up to 2TB Intel® Optane™ Persistent Memory 200 Series, in 8 DIMM slots

1 PCI-E 4.0 x16 Right Riser Slot, 1 PCI-E 4.0 x32 Left Riser Slot,

4 PCI-E 4.0 NVMe x4 Internal Port(s)

M.2 Interface: PCI-E 3.0 x4 and SATA **M.2 Form Factor:** 2280, 22110

M.2 Key: M-Key

Intel® C621A controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10

Dual LAN with 10GBase-T with Intel® X550

I/O: 1 VGA, 2 COM, TPM header

2 SuperDOM with built-in power

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Product SKUs		Expansion Slots	
MBD-X12SPW- TF	■ X12SPW-TF	PCI-E	1 PCI-E 4.0 x16 Right Riser Slot,1 PCI-E 4.0 x32 Left Riser Slot
Physical Stats		M.2	 M.2 Interface: PCI-E 3.0 x4; SATA Form Factor: 2280, 22110
	5 1440		■ Key: M-Key
Form Factor	Proprietary WIO		
Dimension	8" x 13" (20.32cm x 33.02cm)	System BIOS	
		BIOS Type	■ AMI UEFI
Processor		BIOS Features	■ ACPI 6.0
CPU	 3rd Gen Intel® Xeon® Scalable processors Single Socket LGA-4189 (Socket P+) 		■ RTC (Real Time Clock) Wakeup ■ SMBIOS 3.0 or later
	supported, CPU TDP supports Up to 270W TDP	Management	
Core	■ Up to 40 cores	Software	■ SuperDoctor® 5, NMI, <u>SUM,</u> KVM with
	TOP to 40 cores	Jonware	dedicated LAN, <u>SPM</u> , Intel® Node Manager, <u>IPMI2.0</u> , Watchdog
System Memory		Power	■ Power-on mode for AC power recovery,
Memory Capacity	 8 DIMM slots Up to 2TB Intel® Optane™ Persistent Memory 200 Series 	Configurations	ACPI Power Management
	■ Up to 2TB 3DS ECC LRDIMM, DDR4-	PC Health Monitoring	g
	3200MHz; Up to 2TB 3DS ECC RDIMM, DDR4-3200MHz	Voltage	■ VBAT, Supports system management utility, Monitors CPU voltages, HT, Chassis intrusion header, 3.3V standby, +5V standby, +5V, +3.3V, +12V, +1.8V, 7-fan status
Memory Type	■ ECC , DDR4 LRDIMM (3DS), RDIMM (3DS)		
DIMM Sizes	 LRDIMM 3DS: 128GB, 256GB LRDIMM: 64GB, 128GB RDIMM: 8GB, 16GB, 32GB, 64GB 	LED	UID/Remote UIDSuspend static indicator LED
Memory Voltage	■ 1.2V	Temperature	CPU / System Overheat LEDCPU thermal trip support
Error Detection	■ Corrects single-bit errors	- FAN	■ PECI ■ 7x4-pin fan headers (up to 7 fans)
On Board Davison		ı	 System level control
On-Board Devices			PWM fan speed controlFan speed control
Chipset	■ Intel® C621A		 Overheat LED indication
SATA	■ Intel® C621A controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Other Features	■ WOL ■ UID
IPMI	■ ASPEED AST2600 BMC	_	RoHSControl of power-on for recovery from AC
Graphics	■ ASPEED AST2600 BMC		powerloss
Network Controllers	■ Dual LAN with 10GBase-T with Intel® X550		■ ACPI power management
		Operating Environm	ent
Input / Output		Operating	■ 0°C - 50°C (32°F - 122°F)
SATA	■ 10 SATA3 (6Gbps) port(s)	Temperature	,
LAN	■ 2 RJ45 10GBase-T ports	Range	40°C 70°C (40°E 450°C)
USB	 4 USB 2.0 port(s) (2 rear; 2 via header) 5 USB 3.2 Gen1 port(s) (2 via header; 2 rear; 1 type A) 	Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
Video Output	■ 1 VGA port(s)	Operating Relative	■ 8% - 90% (non-condensing)
Serial Port	■ 2 COM Port(s) (1 header; 1 rear)	Humidity Range	
DOM	 2 SATA <u>DOM</u> (Disk on Module) power connector support 	Non Operating Relative	■ 5% - 95% (non-condensing)
ТРМ	■ 1 TPM Header	Humidity Range	