

WIO 3 AOC in 1U Dual 1GbE

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

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 1GbE with Intel® I210

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

2 SuperDOM with built-in power

Product SKUs		Expansion Slots	
MBD-X12SPW-F	■ X12SPW-F	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
Form Factor	■ Proprietary WIO	_	■ Key: M-Key
Dimension	■ 8" x 13" (20.32cm x 33.02cm)	System PIOS	
_		System BIOS	ANTINEE
Processor		BIOS Type	• AMI UEFI
CPU	 3rd Gen Intel® Xeon® Scalable processors Single Socket LGA-4189 (Socket P+) supported, CPU TDP supports Up to 	BIOS Features	 ACPI 6.0 RTC (Real Time Clock) Wakeup SMBIOS 3.0 or later
	270W TDP	Management	
Core	■ Up to 40 cores	Software	SuperDector® F. NIMI SUM IZAMANIH
System Memory		Sollware	 SuperDoctor® 5, NMI, <u>SUM</u>, KVM with dedicated LAN, <u>SPM</u>, Intel® Node Manager, <u>IPMI2.0</u>, Watchdog
Memory Capacity	■ 8 DIMM slots ■ Up to 2TB Intel® Optane™ Persistent	Power Configurations	Power-on mode for AC power recovery, ACPI Power Management
	Memory 200 Series ■ Up to 2TB 3DS ECC LRDIMM, DDR4-		
	3200MHz; Up to 2TB 3DS ECC RDIMM,	PC Health Monitorin	ng
Memory Type	DDR4-3200MHz ■ ECC , DDR4 LRDIMM (3DS), RDIMM (3DS)	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
DIMM Sizes	■ LRDIMM 3DS: 128GB, 256GB ■ LRDIMM: 64GB, 128GB		
Memory Voltage	■ RDIMM: 8GB, 16GB, 32GB, 64GB ■ 1.2V		UID/Remote UIDSuspend static indicator LEDCPU / System Overheat LED
Error Detection	■ Corrects single-bit errors	Temperature	■ CPU thermal trip support ■ PECI
		FAN	■ 7x4-pin fan headers (up to 7 fans)
On-Board Devices			System level controlPWM fan speed control
Chipset	■ Intel® C621A		■ Fan speed control
SATA	Intel® C621A controller for 10 SATA3 (6 Gbps) ports; RAID 0,1,5,10	Other Features	 Overheat LED indication WOL
IPMI	■ ASPEED AST2600 BMC	_ Other reatures	■ UID
Graphics	■ ASPEED AST2600 BMC		RoHSControl of power-on for recovery from AC
Network Controllers	■ Dual LAN with 1GbE with Intel® l210	<u> </u>	power loss • ACPI power management
Input / Output		Operating Environm	nent
SATA	■ 10 SATA3 (6Gbps) port(s)	Operating	■ 0°C - 50°C (32°F - 122°F)
LAN	2 RJ45 Gigabit Ethernet LAN ports	Temperature	2 2 3 3 3 (32 :)
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) 	Range Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
Video Output	■ 1 VGA port(s)	Operating	■ 8% - 90% (non-condensing)
Serial Port	■ 2 COM Port(s) (1 header; 1 rear)	Relative	
DOM	 2 SATA <u>DOM</u> (Disk on Module) power connector support 	Humidity Range Non Operating	■ 5% - 95% (non-condensing)
TPM	■ 1 TPM Header	Relative Humidity Range	