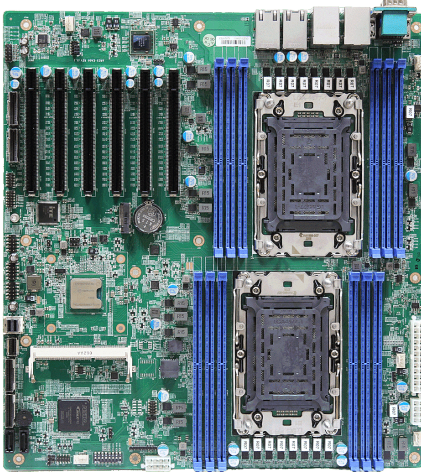# ARES-EAGO PRELIMINARY

Intel® Eagle stream Platform Server Board, Support Intel 4th/5th Gen. Xeon® Scalable CPU

Features

- EATX Server Board
- Dual Intel® 4th/5th Gen. Xeon® Scalable CPU
- Intel® Emmitsburg Chipset
- DDR5 4800 MHz R-DIMM Slot x 12
- SATA3 port x 2, miniSAS x 1 (up to SATA x 4), SlimSAS 4i x 1, SlimSAS 8i x 4
- M.2 2280 M-Key (PCIe [x4])
- GbE LAN x 1, 10GbE LAN x 2
- VGA x 1, Audio In Out (Optional)
- TPM, Digital IO pin header reserved, and Case open Support
- PCIe Gen.5 [x16] x 6
- 4-Pin Fan Header x 5 (up to 5 fans), CPU/System Overheat LED, Suspend Static Indicator LED
- Operating Temperature Range 32°F ~ 140°F (0°C ~ 60°C)

LPDDR 5   10 GbE   USB 3.2 Gen 1   CE FC

Color	—
Power Supply	ATX
Dimension	12" x 13" (305mm × 330mm)
Power Consumption	TBD
MTBF (Hours)	TBD
Display	
Chipset	AST2510
Graphic Engine	—
Resolution	TBD
Connector	VGA
I/O	
Serial Port	COM x 1 Pin
K/B and Mouse	—
USB	USB 3.2 Gen. 1 x 4
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	1.5 g rms/ 5 ~ 500Hz / non operation
Shock	20 G peak acceleration (11 m sec. duration), non operation

Specifications

System	
Form Factor	EATX Sever Board Eagle Stream Platform
Processor	Dual 4th Generation Intel® Xeon® Scalable Processors (formerly Sapphire Rapids-SP), TDP Max. 350W
System Memory	DDR5 4800 MHz R-DIMM Slot x 12
Chipset	Intel® Emmitsburg PCH
Ethernet	Intel® i226LM LAN controller x 1, Intel® X550-AT2 x 1
COM	Pin header x 1
BIOS	AMI BIOS
Serial ATA	SATA III port x 2, miniSAS x 1 (up to 4x SATA)
Audio and VGA	VGA x 1, Audio In Out (Optional)
Expansion Interface	PCIe 1: PCIe Gen 5 [x16] x 1 PCIe 2: PCIe Gen 5 [x16] x 1 PCIe 3: PCIe Gen 5 [x16] x 1 PCIe 4: PCIe Gen 5 [x16] x 1 PCIe 5: PCIe Gen 5 [x16] x 1 PCIe 6: PCIe Gen 5 [x16] x 1
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	—
Rear I/O Panel	USB 3.2 Gen 1 x 4 2.5GbE LAN x 1 10GbE LAN x 2 VGA x 1 COM x 1

Packing List

- TBD

Ordering Information

- TBD

Optional Accessories

- TBD

Note: All specifications are subject to change without notice.