HMB-6130

Compute Blade for HTCA-6000 Series Based on 4th Generation Intel® Xeon® Scalable Processors (Sapphire Rapids)

■ Features

- Hot swappable x86 compute blade
- Support dual 4th Generation Intel® Xeon® Scalable Processors (codenamed Sapphire Rapids) and Emmitsburg PCH
- DDR5 4800 MHz REG DIMM, 16x 288pin DIMM Socket, LRDIMM 1024GB (16 x 64GB) per M/B tray
- Built-in Intel QuickAssist Technology (QAT)
- 4x KR4 support 4x 100G to front Switch blades
- 5x Hot swappable smart fans

■ Preliminary Specifications

System

CPU	Dual Intel 4th Generation Intel® Xeon® Scalable Processors (codenamed Sapphire Rapids) with Emmitsburg PCH
Memory	DDR5 4800 MHz REG DIMM, 16x 288pin DIMM Socket, LRDIMM 1024GB (16 x 64GB) per M/B tray

Interface

- 2x Intel Columbiaville E810-CAM2 support 4 x 100G KR4 totally.
- 100G (KR4) x2 to top 1st layer switch blade from 2 x E810-CAM2 100G (KR4) x2 to top 2nd layer switch blade from 2 x E810-CAM2 Intel i210 1GbE x1 (for FIO) Intel i225 2.5GbEx1 (for Rear IO)
- 5x PCI-Express Gen3 by 8 (To front side module)
- 1x PCI-Express Gen 2 (To front side module)
- 1x IAC-AST2600 IPMI module (NCSI via i210)
- 1x M.2 2280 M Key Socket (SATA3/PCIe x4)
- 1x pin header for TPM 2.0 module (Optional)

Rear IO

- 1x miniDP (VGA signal)
- 1x RJ45 management port on rear side
- 1x USB 2.0

System Compatibility

HTCA-6200, HTCA-6400 and HTCA-6600

Temperature

Operating	0 ~ 40ºC
Storage	-40~70ºC

Humidity

5%~90%. non-condensing

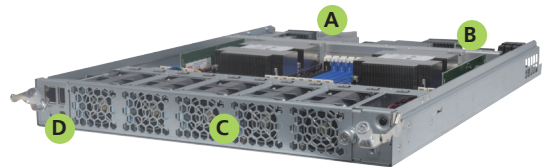### Mechanical

Dimension (W x H x D)	327.4 x 41 x 471.2 mm
Weight	TBD

Certification

CE Class A, FCC Class A

■ Product I/O View

- **A** High speed connector
- **B** OPMA slot
- **C** Cooling fans
- **D** USB 2.0, RJ45 management port and mini-DP

■ Ordering Information

HMB-6130A	Compute Blade for HTCA-6000 Series Based on 4th Generation Intel® Xeon® Scalable Processors (Sapphire Rapids), Up to 185W
HMB-6130B	Compute Blade for HTCA-6000 Series Based on 4th Generation Intel® Xeon® Scalable Processors (Sapphire Rapids), Up to 205W

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Compute Blade

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