mHPC200

Preliminary

2U Rackmount Server with Dual Intel® Xeon® Gold 6226R Processor, Intel® C621 PCH for HPC in Medical Applications

Features

- Dual Intel® Xeon® Gold 6226R processors
- 384GB DDR4-2666 ECC registered DIMM
- Micron 6.4TB PCIe NVMe U.2 SSD, 9300 pro series
- Supports PCIe x16 data center accelerator card
- 1200W Redundant Power ATX power supply
- Supports HDMI full HD output
- Supports dual 10G Base-T & dual SFP+

▲ Front view

▲ Rear view

Specifications

Standard Color	Alpine White
Construction	Heavy-duty steel
CPU	Dual LGA3647 server-grade Intel® Xeon® Gold 6226R processors 2.9GHz, 22MB Cache 16 Cores
System Memory	12 x DDR4-2933 ECC RDIMM, up to 384GB
Chipset	PCH: Intel® C621, TDP 15W BMC: ASpeed AST2500A2-GP Embedded Graphics SoC: SiliconMotion SM768
Display	Intel® Gen 9 HD Graphics Supports Gfx - DX12.0, OCL2.0, OGL4.3
BIOS	AMI version V1.04
Remote Management	IPMI 2.0 compliant
System I/O Outlet (Left to Right)	2 x 110-240V AC input 2 x LED status (power-on, SSD act.) 1 x LAN (BMC/IPMI) 4 x USB 3.0 1 x HDMI FHD output
Watchdog Timer	Reset: 1sec. - 65535sec./min. and 1sec. or 1min./step
Storage	2 x 2.5" SATA SSD hot swappable slot, support 2 x 256G SSD (RAID 1) 2 x 2.5" U.2 SSD hot swappable slot, support 1 x 6.4T U.2 SSD (RAID 0)
Ethernet	1 x Network card supports dual 10G Base-T & dual SFP+
Expansion Interface	Two PCIe riser cards inside: Riser Card #0: 2 x PCIe x16 Gen 3.0 slot Riser Card #1: 1 x PCIe x16 slot, 1x PCIe x8 slot, M.2 22110-M slot
System Indicator	1 x green LED for system power-on 1 x green LED for SSD active
Power Supply	2 x 1200W redundant ATX power supply
Operating Temperature	0°C to +40°C (32°F to +104°F)
Humidity	10% - 95%, non-condensing
Dimensions	430 mm (19") (W) x 600 mm (19.4") (D) x 88 mm (3.5") (H)
Weight (net/gross)	11.9 kg (26 lb) /16.10 kg (35 lb)
Certifications	CE IEC 62368-1, FCC Class A, compliance
OS Compatibility	CentOS 7.6 & Windows 10 IoT

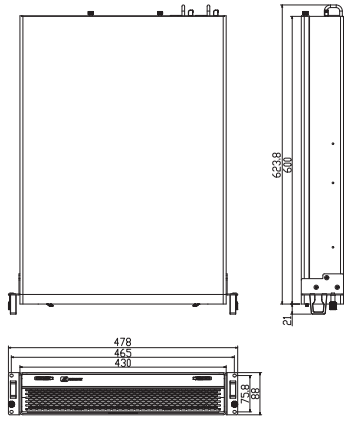
Ordering Information

mHPC200-CCL	2U 19" rack mount server with dual Intel® Xeon® Gold 6226R processors, 384GB DDR4-2666 ECC registered DIMM memory, single Micron 6.4TB PCIe NVMe U.2 SSD, two 256GB SATA III SSD, single network card

System Configuration

Optional	
RAM (P/N: E9B1816J00)	Micron 32GB DDR4-2666 ECC RDIMM (MTA36ASF4G72PZ -2G6E1) 64GB to 384GB
U.2 SSD (P/N: E9B2Q00060)	Micron 9300 max series 6.4TB NVMe U.2 SSD (MTFDHAL6T4TDR-1AT1ZABYY) QTY:1-2pcs
SATAIII SSD (P/N: E9B2F1256R)	Transcend 2.5" 256GB SATAIII SSD (TS256S2MAX02IK1) QTY:1-2pcs
22" Rack rail (P/N: 7421A610000E)	NJ-21A61 SERVER SLIDE 22"

Dimensions



Updated May. 19, 2021.

* All specifications and photos are subject to change without notice.

www.axiomtek.com

© 2021 Axiomtek Co., Ltd. All rights reserved.