



# HPS-GNR1U

Short Depth 1U Rackmount Barebone HPC with Up to 3 PCI Express Expansion Slots



## Key Features

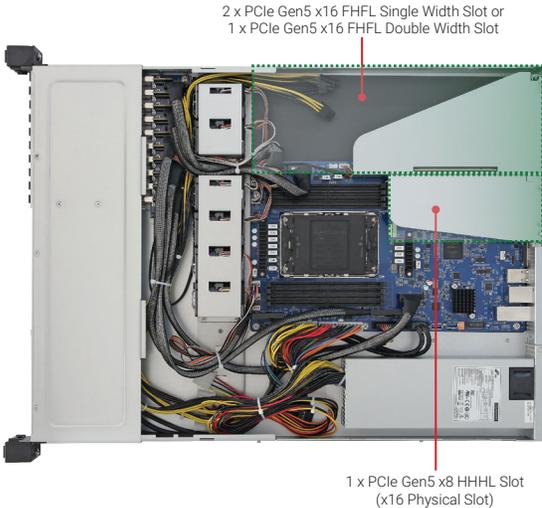
- Motherboard: HPM-GNR1U
- 1U 19" Rackmount Chassis
- Supports 6th Gen Intel® Xeon® Scalable Processor up to 350W TDP
- 8 x DDR5 6400MT/s RDIMM and 8000MT/s MRDIMM Up to 2TB
- Intel® VROC RAID 0/1/5/10 with Optional VROC Key
- 2 x PCIe Gen5 x16 FHFL Single Width Slot or 1 x PCIe Gen5 x16 FHFL Double Width Slot
- 1 x PCIe Gen5 x8 HHHL Slot (x16 Physical Slot)
- Optional 2 x LAN by Intel® Ethernet Controller E610-XAT2
- IPMI 2.0
- 1 x Mini-DisplayPort, 2 x USB 3.0 (Front), 2 x USB 3.2 (Rear)
- Drive Bay Options: 2 or 4 Hot-Swappable 2.5" U.2/U.3 drive bays, or 10 x Hot-Swappable E1.S NVMe Drive Bays



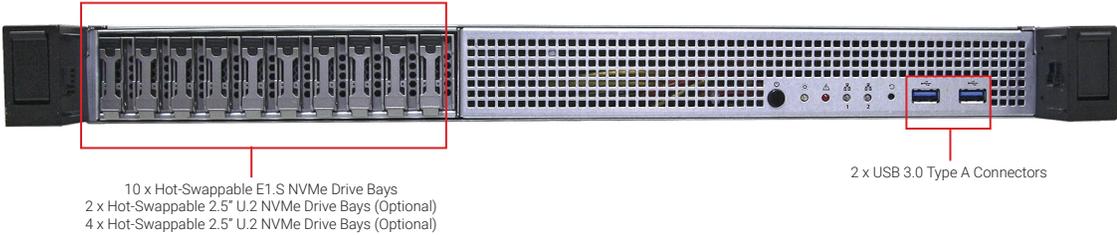
## Product Specifications

<b>System</b>		<b>Storage</b>	
Motherboard	HPM-GNR1U	M.2	2 x 2280 M.2 NVMe (Optional Through Daughter Board)
CPU	LGA 4710 socket supports single 6th Gen Intel® Xeon® Scalable Processor up to 350W TDP	Drive Bay	10 x Hot-Swappable E1.S NVMe Drive Bays 2 x Hot-Swappable 2.5" U.2 NVMe Drive Bays (Optional) 4 x Hot-Swappable 2.5" U.2 NVMe Drive Bays (Optional)
System Memory	8 x DDR5 6400MT/s RDIMM and 8000MT/s MRDIMM Up to 2TB	RAID	Intel® VROC RAID 0/1/5/10
Supported OS	Windows 11 Windows Server 2019 Red Hat Enterprise Linux (RHEL) 8.2 and later Ubuntu	<b>Power Supply Requirement</b>	
<b>External I/O (Front)</b>		Power Supply	Single 1U Power Supply Redundant Power Supply (Optional)
USB	2 x USB 3.0 Type A Connectors	Voltage	100VAC to 240VAC
Power Button	1 x Momentary Power Switch	Frequency	50Hz/60Hz
Reset Button	1 x Reset Switch	Power Rating	850W
LED Indicator	1 x Power LED, 1 x Status LED TBD, 2 x LAN LED (1 for I210-AT, 1 for E610-XAT2)	<b>Regulatory Compliance</b>	
<b>External I/O (Rear)</b>		Design to Comply with	CE/FCC, RoHS
Display	1 x Mini-DisplayPort Connector	<b>Mechanical and Environment</b>	
USB	2 x USB 3.2 Type A Connectors	Operating Temp.	0°C ~ 35°C (32°F ~ 95°F)
IPMI	1 x RJ-45 Connector for IPMI	Storage Temp.	-30°C ~ 60°C (-22°F ~ 140°F)
LAN	1 x RJ-45 for Intel® I210-AT GbE LAN (Shared with IPMI) 1 x RJ-45 for Console 2 x RJ-45 for Intel® E610-XAT2 10GbE LAN (Optional)	OP Humidity	5% to 90% Relative Humidity, Non-condensing
COM Port	1 x COM Port	Form Factor	1U 19" Rackmount Chassis
<b>Expansion and Storage Interfaces</b>		Chassis Fan	6 x 40x56mm PWM FAN
PCI Express	2 x PCIe Gen5 x16 FHFL Single Width Slot or 1 x PCIe Gen5 x16 FHFL Double Width Slot. 1 x PCIe Gen5 x8 HHHL Slot (x16 Physical Slot).	Color	Black
		Branding	By Request
		Airflow/Cooling	Front-to-Back or Back-to-Front
		Dimensions	19"W x 24.65"D x 1.75"H (System only) 23.62"W x 32.28"D x 7.50"H (Packaging)
		Weight	approx. 22lbs

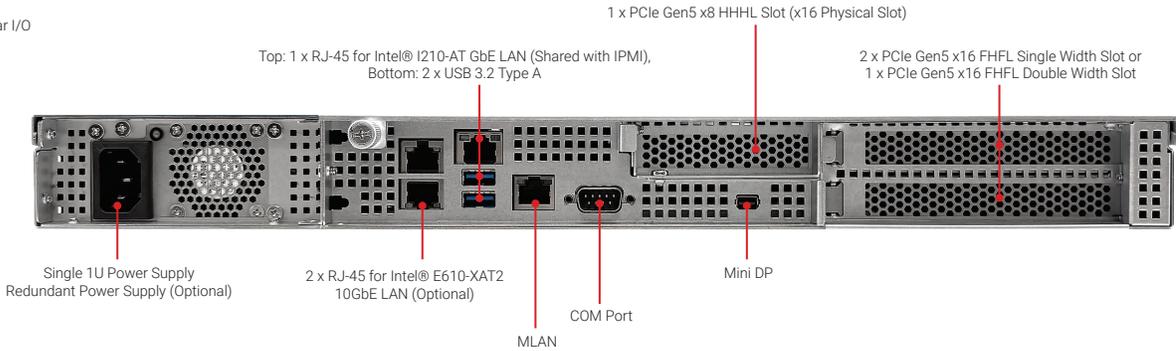
Product Photo



Front I/O



Rear I/O



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