



SPECIFICATION

Form Factor	1U 19" Rackmount Single processor
CPU	- Intel® Xeon® 6700 Series Processors with E-cores up to 144 Cores, 330W TDP per CPU - Intel® Xeon® 6700/6500 Series Processors with P-cores up to 86 Cores, 350W TDP per CPU
BIOS	AMI Aptio® V UEFI BIOS AST2600 BMC
IPMI	Firmware: OpenBMC
System Memory	Total 8 DIMMs (1DPC) (1DPC) 6400MHz ECC DDR5 RDIMM/3DS RDIMM, up to 2TB (1DPC) 8000MHz ECC DDR5 MRDIMM (P-cores only), Up to 512GB
Expansion	OCP NIC 3.0 slots (extended depth): 4x PCIe Gen5 x16 from CPU#0
Ethernet Ports	2x 10GbE RJ45 MGMT via Intel® Ethernet Controller E610-XAT2 (with NCSI)
Storage	2x M.2 Key M 2280 sockets (NVMe) Supports Intel® VROC
Power Supply	1300W 1+1 CRPS Redundant Power Supply AC 100V-240V @47Hz-63Hz
Cooling	CPU: Passive 1U heatsink System: 6x 4056 fans
Security	Optional TPM 2.0 Intel® Platform Firmware Resilience (PFR)
OS Support	Linux
Dimension	438mm (W) x 600mm (D) x 44 mm (H) 17.24" (W) x 23.62" (D) x 1.73" (H)

FEATURES

- Single Intel® Xeon® 6 Processor
- Up to 8x DDR5 6400MHz ECC RDIMMs or DDR5 8000MHz ECC MRDIMMs
- 4x OCP NIC 3.0 slots
- 2x M.2 Key M for storage
- IPMI with AST2600 BMC
- PFR with Intel® Max® 10
- Support TPM 2.0 for security
- Support Intel® VROC

I/O

Serial Port	1x RJ45 Console port
USB	2x USB 3.0, Type A 2x USB 3.0 header onboard
LCD Panel	N/A
Display	1x VGA header at rear I/O
LED	Power/Status/Storage LEDs System ID LED Front: 1x Reset button
Power	Rear: 1x Power switch 2x AC power inlets for CRPS

ENVIRONMENTAL

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	5% to 95% RH, non-condensing

CERTIFICATION

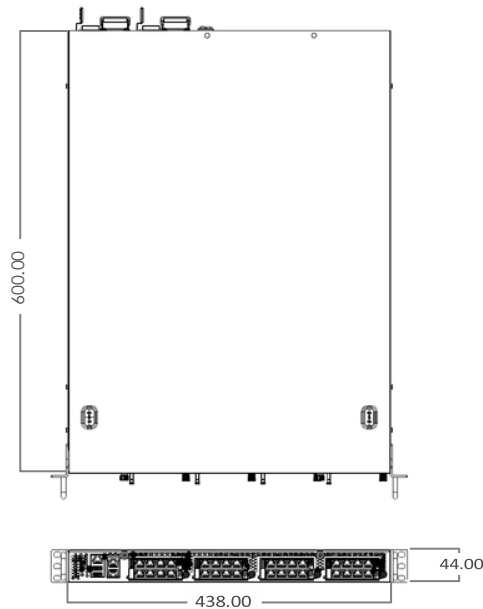
Certification	CE/FCC Compliance
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PRODUCT I/O VIEW



DIMENSION

Unit: mm



ORDERING GUIDE

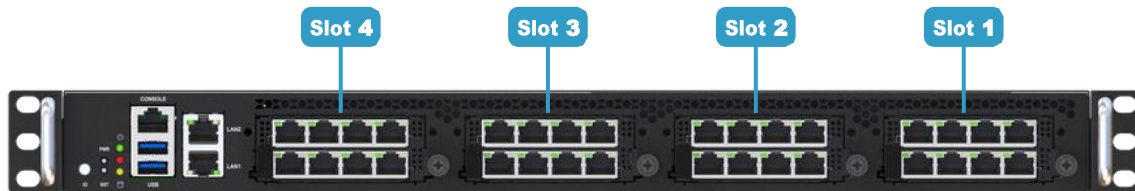
510-26-0007	(R). PNSR-6001. 1U Network Appliance Based on Single Intel Xeon 6 Processor
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*Optional NICs

530-24-0025	PNC-EB8R-G2. OCP NIC 3.0 Extended kit. 8x 2.5G RJ45. Bypass
530-24-0022	PNC-EB4S-G10. SR 10G/1G card kit. 4x 10G SFP+. Bypass. Tall bracket
530-24-0024	PNC-EB4S-G10. LR 10G/1G card kit. 4x 10G SFP+. Bypass. Tall bracket
530-24-0026	PNC-EB4R-G2. OCP NIC 3.0 kit. 4x 2.5G RJ45. Bypass. Tall bracket
530-23-0001	PNC-OB2R-G10. OCP NIC 3.0 kit. 2x 10G RJ45. Bypass. Tall bracket
530-26-0004	PNC-ON2Q-G100. OCP NIC 3.0 kit. 2x 100GbE QSFP28 Ports. Tall bracket
530-24-0028	PNC-ON4S-G25. OCP NIC 3.0 kit. 4x 25G SFP28. Tall bracket
530-24-0030	PNC-ON4S-G10. OCP NIC 3.0 kit. 4x 10G SFP+. Tall bracket
530-26-0002	PNC-ON4R-G10. OCP NIC 3.0 kit. 4x 10GbE RJ45 Ports. Tall bracket
530-24-0032	PNC-ON4S-G1. OCP NIC 3.0 kit. 4x 1G SFP. Tall bracket
530-24-0035	PNC-OS4M. OCP 3.0 adapter kit for Four M.2 Expansion
530-24-0036	PNC-OS2M. OCP 3.0 adapter kit for Two M.2 Expansion

*All information provided is subject to change without notice. Last updated: July 10, 2026

NIC and Expansion Module Selection Guide



NIC & Expansion Module	Configuration	Bypass	Need PNC-N001 Card?	Slot 1 - 4 Gen5 x16
PNC-EB8R-G2	8x 2.5GbE RJ45	4 pairs	no	✓
PNC-EB4S-G10 (SR)	4x 10GbE SFP+	2 pairs	no	✓
PNC-EB4S-G10 (LR)	4x 10GbE SFP+	2 pairs	no	✓
PNC-EB4R-G2	4x 2.5GbE RJ45	2 pairs	no	✓
PNC-EB2Q-G100	2x 100GbE QSFP28	1 pair	no	✓
PNC-OB2R-G10	2x 10GbE RJ45	1 pair	yes	✓
PNC-ON1Q-G200	1x 200GbE QSFP56	N/A	yes	✓
PNC-ON2Q-G100	2x 100GbE QSFP28	N/A	yes	✓
PNC-ON4S-G25	4x 25GbE SFP28	N/A	yes	✓
PNC-ON4S-G10	4x 10GbE SFP+	N/A	yes	✓
PNC-ON4R-G10	4x 10GbE RJ45	N/A	yes	✓
PNC-ON4S-G1	4x 1GbE SFP	N/A	yes	✓
PNC-OS4M	4x M.2 Key M 2280	N/A	yes	✓
PNC-OS2M	2x M.2 Key M 2280	N/A	yes	✓

