



PNSR-1000

1U Compact Network Appliance based on Intel Atom® x7000RE/x7000C Series and Intel® Core™ i3 N-Series Processors
Featuring Onboard 4x 2.5GbE RJ45 with Bypass and 1x GbE SFP



Key Features

- Intel Atom® x7000RE/x7000C Series and Intel® Core™ i3 N-Series Processors: integrated Intel UHD Graphics, Intel Deep Learning Boost (Intel DL Boost), Intel Advanced Vector Extensions (Intel AVX2) with INT8 support, and OpenVINO toolkit support
- 1x DDR5 4800MHz SODIMM up to 16GB, supports IB ECC
- 4x 2.5GbE RJ45 Copper ports with 2 pairs bypass, 1x 1GbE SFP Fiber port
- 2x 2.5" HDD/SSD, 2x M.2 Key M for storage
- 1x M.2 Key B for 4G/5G/LTE module
- 1x M.2 Key E for WiFi module
- Compact 1U system design
- Build-in PSU

SPECIFICATION

Form Factor	1U 8.25" Rackmount
CPU	Intel Atom® x7000RE Series Processors Intel Atom® x7000C Series Processors Intel® Core™ i3 N-Series Processors Up to 8 Cores, 25W TDP
BIOS	AMI Aptio® V UEFI BIOS
IPMI	N/A
System Memory	Total 1 DIMM (1DPC) 1x DDR5 4800MHz SODIMM, up to 16GB Supports In-Band ECC (IB ECC)
Expansion	• 1x M.2 Key B 3052 socket with 1x nano SIM card slot (USB) • 1x M.2 Key E 2230 socket (PCIe) (Optional)
Ethernet Ports	• 4x 2.5GbE RJ45 via Intel® Ethernet controller I226, supporting 2 pairs bypass • 1x GbE SFP Via Intel® Ethernet controller I210
Storage	2x 2.5" SATAIII HDD/SSD (Optional) 2x M.2 Key M 2280 sockets (SATAIII or Optional NVMe)
Power Supply	Optional 65W or 120W Build-in Open Frame AC Power Supply, AC 100V-240V input, DC 12V output
Cooling	CPU: Passive heatsink System: 2x fans
Security	Onboard TPM 2.0
OS Support	Linux
Dimension	438mm(W) x 209.6mm(D) x 44mm(H) 17.24"(W) x 8.25"(D) x 1.73"(H)

I/O

Serial Port	1x RJ45 Console port
USB	2x USB 3.2 Gen 1, Type A 2x USB 2.0 headers onboard
LCD Panel	N/A
Display	1x HDMI connector (by SKU)
LED	Power/HDD LEDs 2x RJ45 bypass status LEDs 8x RJ45 LEDs 2x SFP LEDs
Power	Front: 1x Reset button 1x Power button Rear: 1x AC power inlet 1x Power switch

ENVIRONMENT

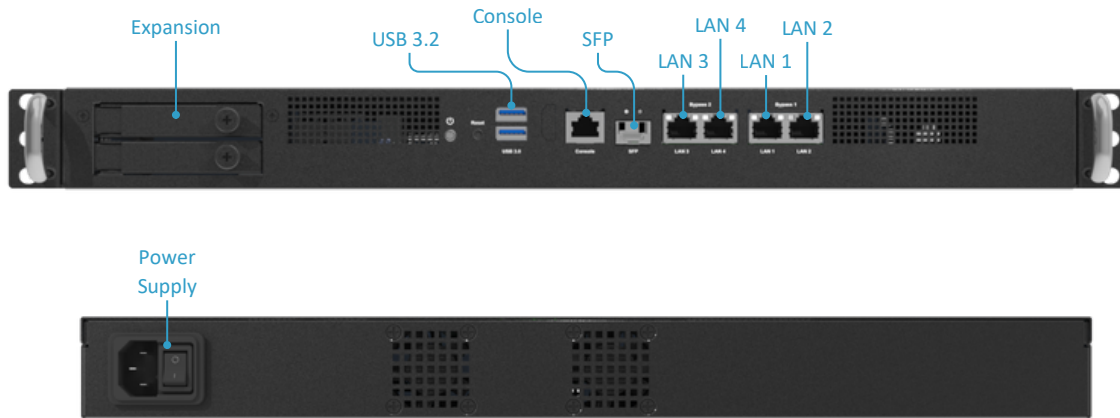
Operating Environment	0°C to 40°C (32°F to 104°F)
Storage Environment	-20°C to 70°C (-4°F to 167°F)
Humidity	5% to 95% RH, non-condensing

CERTIFICATION

Certification	CE/FCC Compliance
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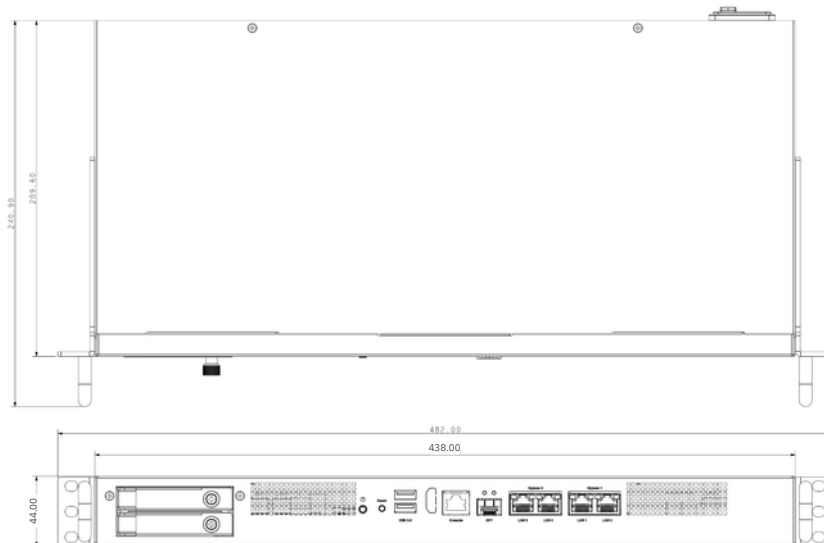
*All information provided is subject to change without notice. Last updated: April 14, 2026

PRODUCT I/O VIEW



DIMENSION

Unit: mm



ORDERING GUIDE

510-25-0013

(R). PNSR-1000 1U Network Appliance Based on Intel Atom®x7000RE/x7000C Series and Intel® Core™ i3 N-Series Processors