

PNAC-52420

1U Intel® Xeon® D-1700 Network Appliance with Up to 28 Ethernet Ports



Specification

CPU	1x Intel® Xeon® D-1700 family (Formerly Ice Lake-D)
PCH/Chipset	SoC integrated
System Memory	6x DDR4 2933MHz ECC/Non-ECC RDIMM/UDIMM up to 384GB
Ethernet Port	Up to 28x Ethernet ports with 4x GbE RJ45, 4x 2.5GbE RJ45, 4x 10GbE SFP+, and 16x RJ45/SFP from Network Modules
Bypass	2x segments on board and up to 4x segments from Network Modules
Expansion	2x PCIe Gen3 x8 proprietary Network Modules
Storage Device	2X 2.5" SATA HDD/SSD 1X M.2 M-KEY 2280 SSD
TPM	(Optional) On-board TPM 2.0
BMC	(Optional) On-board BMC AST2500. IPMI 2.0.
Display	(Optional) VGA port
Power Supply	300W ATX power supply. 400W redundant power supply as an option.
Dimension	430 (W) x 450 (D) x 44 (H) mm 16.93" (W) x 17.1" (D) x 1.73" (H)
Weight	Net 8.5 kg (18.74 lb) / Gross 9.8 kg (21.61 lb)

Operation

Operating Environment	- Temperature: 0 - 45°C (32 - 113°F) - Humidity: 20 - 90% RH
Storage Environment	- Temperature: -10 - 70°C (14 - 158°F) - Humidity: 5 - 95% RH
Certification	CE / FCC Class A
OS Support	Linux Kernel

Features

- Intel® Xeon® D-1700 Processor Family (Formerly Ice Lake-D)
- 6x DDR4-2933 R-DIMM/U-DIMM Memory Slots up to 384GB
- Up to 28x RJ45/SFP Gigabit Ethernet Ports with Two Proprietary Network Modules (by SKU)
- Up to 6x Segments of Bypass Function, 2x on Board and 4x from Proprietary Network Modules
- Support 1U Redundant Power Supply and IPMI as Options



Front Panel

Management Port	1x RJ45 System Console port
Ethernet Port	4x RJ45 GbE ports 4x RJ45 2.5GbE ports 4x SFP+ 10GbE ports
Expansion	2x PCIe Gen4 x8 proprietary Network Modules
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	Power / Storage / Bypass
USB	2x USB 3.0 Type A ports

Optional CPUs

Models	Cores/Threads	Frequency	Cache	TDP
Intel® Xeon® D-1712TR	4C/8T	3.10GHz (2.00GHz)	10MB	40W
Intel® Xeon® D-1715TER	4C/8T	3.50GHz (2.40GHz)	10MB	50W
Intel® Xeon® D-1732TE	8C/16T	3.00GHz (1.90GHz)	15MB	52W
Intel® Xeon® D-1746TER	10C/20T	3.10GHz (2.00GHz)	15MB	67W

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