

# APTNS-13180

1U Network Appliance Based on Intel® Xeon® D-1700 Series SoC,  
Featuring On-board 6x 2.5GbE RJ45 with Bypass and 2x 25GbE SFP28

## Status: Renamed to PNSR-5000

### Features

**Migration options: This is a product model name change only. Customers will experience no change in functionality. The new product name is designed to better align the brand and value**

APTNS-13180 is a 1U Rackmount network appliance powered by the latest Intel® Xeon® D-1700 Series Processor (Ice Lake-CC) featuring up to 40 cores, PCIe Gen4 and high-speed I/O.

The APTNS-13180 supports two channels DDR4 RDIMM/UDIMM (up to 2933MHz) and maximum memory capacity up to 256GB. With 16 PCI Express Gen 4 lanes, the APTNS-13180 can support 2 NIC modules, support multiple Ethernet module bays for flexible port configuration; such as 1/10/25/40 Gigabit fiber, Gigabit copper with BYPASS function or not. The OCP 3.0 and standard PCIe convertible slot design makes expansions more flexible and easier. APTNS-13180 also natively supports two 10/25GbE SFP+/SFP28 with up to 50 Gigabit throughput and six 2.5GbE copper on-board with BYPASS function.

The strong I/O elements of APTNS-13180 include a console port, two USB 3.2 Gen 1 ports, a Graphic LCD module with keypad (4 keys), LEDs for power/ HDD/ Bypass/ SFP28 ports. In addition, the APTNS-13180 also supports two 2.5" SATA HDDs/ SSDs, on-board one M.2 2280 for network storage application and two M.2 3052 slots for 4G/5G/LTE wireless modules.

### SPECIFICATION

CPU	Intel® Xeon® D-1700 Series SoC (Codename Ice Lake-D LCC)
BIOS	AMI Aptio® BIOS
System Memory	Total 4 DIMMs (2DPC) DDR4 2933 RDIMM, up to 64GB/DIMM DDR4 2666 ECC/Non-ECC UDIMM
Capacity	Up to 256GB
Expansion	1x PCIe Gen4 x16 slot (2 x8 via riser card) or 1x OCP 3.0 Gen4 x16 slot as option 2x M.2 Key B 3052 sockets with SIM card slots for wireless module
Ethernet Ports	Total 8 Ethernet ports 6x 2.5GbE copper via I225 with 2 pairs bypass 2x 10/25GbE SFP+/SFP28 (Max 50Gbps throughput)
Storage Device	2x 2.5" SATA 3.0 HDD/SSDs 1x M.2 Key M 2280 socket
Power	500W AT/ATX Power Supply
Dimension	436mm (W) x 328mm (D) x 44.34mm (H)

### I/O

Serial Port	1x RJ-45 Console port
USB	2x USB 3.2 Gen 1 ports 2x USB 2.0 headers on-board
LCD Panel	128x32/64 graphic, 2x16 characters
Display	1x HDMI connector at rear I/O
LED	1x Power LED 1x HDD LED 2x Copper bypass LEDs (Normal/ Bypass/ Open mode) 4x SFP28 port LEDs (Link + Speed)

### OPERATION

Operating Environment	0 ~ 40°C ( 32 ~ 104°F )
Storage Environment	-10 ~ 70°C (14 ~ 158°F)
Humidity	5 ~ 95% RH, non-condensing
Certification	CE/FCC

### ORDERING GUIDE

Description	1U Network System with Single Xeon® D-1700 Series SoC
P/N	In Process