PNAC-72720

2U High Performance Platform with Intel® Dual 3rd Gen Xeon® Scalable CPUs and up to Eight Network Modules

Specification

CPU	2x Intel® 3rd Gen Xeon® Scalable Processors (formerly Ice Lake-SP)
PCH/Chipset	Intel® C621A PCH (formerly Lewisburg-R)
System Memory	20x DDR4 ECC 3200MHz RDIMMs (Up to 1280GB), 10 by each processor
Ethernet Port	Up to 66x Ethernet Ports from 2x on-board GbE ports and 8x Network Modules
Bypass	Depends on the Proprietary Networking Modules chosen
Expansion	- Up to 8x PCIe Gen4 x8 Networking Modules (Proprietary) - 2x PCIe x16 slots for Standard PCIe cards, one from each CPU respectively
Storage Device	- 2x 2.5" SATA hot-swappable HDD - 1x M.2 Key M 2242/2280 (PCIe) - 1x M.2 Key M 2242/2280 (SATA)
Power Supply	2U 1300W redundant power supply
Dimension	- 430 (W) x 663 (D) x 88 (H) mm - 16.92" (W) x 26.10" (D) x 3.46" (H)

Operation

Operating Environment	- Temperature: 0 to 40°C (32 to 104°F) - Humidity: 20 to 90% RH
Storage Environment	- Temperature: -10 to 70°C (14 to 158°F) - Humidity: 5 to 95% RH
Certification	CE / FCC
OS Support	Linux Kernel

Features

- Dual Intel® 3rd Gen Xeon® Scalable CPU (Formerly Ice Lake-SP)
- 20x DDR4-3200 RDIMM ECC Memory (Up to 1280GB)
- Up to 8x Proprietary Network Modules for Various Ethernet Configurations
- 2x PCIe x16 Expansion slots for RAID/FPGA/GPU/DPU cards
- 2x M.2 SSD (1x SATA & 1x PCIe) and 2x 2.5" SATA HDD swappable
- Redundant Power Supply Unit (2U 1300W)

Front Panel

Management Port	1x RJ45 System Console Port
Ethernet Port	2x RJ45 GbE Ports
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	Power / Storage
USB	Dual USB 3.0 Ports
Display	1x VGA Port
LOM	IPMI 2.0 with GbE Speed (optional)

Optional CPUs

Models	Cores/Threads	Frequency(Max)	Cache	TDP
Intel® Xeon® Platinum 8351N	36C/72T	2.40GHz (3.50GHz)	54MB	225W
Intel® Xeon® Gold 6338T	24C/48T	2.10GHz (3.40GHz)	36MB	165W
Intel® Xeon® Gold 6336Y	24C/48T	2.40GHz (3.60GHz)	36MB	185W
Intel® Xeon® Gold 6330	28C/56T	2.00GHz (3.10GHz)	42MB	205W
Intel® Xeon® Gold 6326	16C/32T	2.90GHz (3.50GHz)	24MB	185W
Intel® Xeon® Gold 6314U	32C/64T	2.30GHz (3.4GHz)	48MB	205W
Intel® Xeon® Gold 6312U	24C/48T	2.40GHz (3.60GHz)	36MB	185W
Intel® Xeon® Gold 5320T	20C/40T	2.30GHz (3.50GHz)	30MB	150W
Intel® Xeon® Gold 5318Y	24C/48T	2.10GHz (3.40GHz)	36MB	165W
Intel® Xeon® Gold 5317	12C/24T	3.00GHz (3.60GHz)	18MB	150W
Intel® Xeon® Gold 5315Y	8C/16T	3.20GHz (3.60GHz)	12MB	140W
Intel® Xeon® Silver 4316	20C/40T	2.30GHz (3.40GHz)	30MB	150W
Intel® Xeon® Silver 4314	16C/32T	2.40GHz (3.40GHz)	24MB	135W
Intel® Xeon® Silver 4310	12C/24T	2.10GHz (3.30GHz)	18MB	120W
Intel® Xeon® Silver 4310T	10C/20T	2.30GHz (3.40GHz)	15MB	105W

Portwell, Inc. Headquarters
No. 242, Bo'Ai St., Shu-Lin Dist,
New Taipei City 238, Taiwan
Tel: +886-2-7731-8888
Fax: +886-2-7731-9888
E-mail: info@portwell.com.tw
www.portwell.com.tw

American Portwell
(Fremont, CA)
Tel: +1-510-403-3399
E-mail: info@portwell.com
www.portwell.com

Portwell Japan, Inc.
(Tokyo)
Tel: +81-3-6902-9225
E-mail: info@portwell.co.jp
www.portwell.co.jp

European Portwell
Tel: +31-252-620790
E-mail: info@portwell.eu
www.portwell.eu

Shanghai Portwell
Tel: +86-21-5771-2505
E-mail: info@portwell.com.cn
www.portwell.com.cn

Portwell India Technology Private Limited
Tel: +91-80-4168-4255
E-mail: enquiry@portwell.in
www.portwell.in

Portwell UK Ltd.
Tel: +44(0)1235-750-760
E-mail: info@portwell.eu
www.portwell.eu

Portwell Japan, Inc.
(Osaka)
Tel: +81-6-4807-7721
E-mail: info@portwell.co.jp
www.portwell.co.jp

KIOSK Embedded Systems GmbH
Tel: +49-8152-3962-500
E-mail: info@portwell.eu
www.portwell.de

Portwell Korea, Inc.
Tel :+82-31-450-3043
E-mail: info@portwell.co.kr
www.portwell.co.kr

20230509