Blue Line Telecom Network Appliance TNA-4000



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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Blue Line Telecom Network Appliance TNA-4000









Highlights

High-performance rack server for telecom infrastructure, network virtualization, and carrier-grade data processing. Keep your network infrastructure secure and responsive with a telecom platform designed for demanding applications. The Blue Line Telecom Network Appliance TNA-4000 combines high-performance processing, hardware security acceleration and flexible connectivity to help you manage increasing network complexity with confidence.

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As network traffic continues to grow, processing and securing data efficiently becomes increasingly important. The TNA-4000 helps you accelerate packet handling and cryptographic workloads through dedicated hardware acceleration, improving throughput while reducing CPU utilization.

Deploying network appliances should not add unnecessary complexity. Flexible connectivity and a compact rackmount design make it easy to integrate the TNA-4000 into existing telecom and datacom environments while supporting future expansion.

- Marvell® Armada® 8040 ARM v8 A72 4C, System-on-Chip (SoC) up to 2.0GHz
- 1 x DDR4 2400MHz ECC/Non-ECC/RDIMM, Max. up to 16 GB
- 1 x 2.5" SSD/HDD Bay: support SATA 3.0 (6 Gbps) + 1 x eMMC: 32GB
- Ethernet: 2 x SFP+: 10 GbE SFP+, plus 4 x LAN: 1 GbE RJ45
- 2 x external USB 3.2 generation 1 x 1, plus 2 x internal USB 2.0 (Pin header)
- 1 x PCIe x16: (FHHL) PCIe 3.0 x2 signal
- Power input: 100 V to 240 V (Power Supply 250W)
- Operating temperature: 0°C to 40°C (32°F to 104°F)
- Build-to-order configured to the requirements

Specifications

Model Type

Rackmount Network Appliance

Form Factor

1U

Cooling

2 x cooling fans with smart fan

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Environment

Operating temperature 0°C to 40°C (32°F to 104°F)
Storage Temperature -20°C to 75°C (-4°F to 167°F)

Humidity 5% to 90% non-condensing

Certification

CE / FCC / RoHS

Processor

Marvell Armada 8040 ARM v8 A72 4C, System-on-Chip (SoC) up to 2.0GHz

RAM

1 x DDR4 2400MHz ECC/Non-ECC/RDIMM - up to 16GB

Storage

1 x 2.5” SSD/HDD Bay : support SATA 3.0 (6 Gbps)
1 x eMMC: 32GB

Input / Output

Front I/O:

Ethernet 2 x SFP+: 10 GbE SFP+ 4 x LAN: 1 GbE RJ45

I/O Interface 2 x External USB 3.2 Gen1x1 2 x Internal USB

2.0: Pin header

Expansion

1 x PCIe x16: (FHHL) PCIe 3.0 x2 signal

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1 x M.2(NGFF): M.2 B Key (3042/2260) (SATA 3.0 and USB 3.2 Gen 1) Support SATA SSD or 4G LTE module (USB signal)

Operating System

Ubuntu 16.04.04

Power Supply

Input 100V to 240V

Power supply 250W

Dimension and Weight

Dimension: H 44.2 x W 430 x D 320mm

Weight: 5kg

Mounting

Rackmount

Accessories Included

1 x Power cord

2 x Rack mounting ears

6 x Screws for rack mounting ears

Accessories Optional

USB to console cable

RS-232 to console cable

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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