S9500-22XST

DISAGGREGATED CELL SITE GATEWAY ROUTER

The UfiSpace S9500-22XST is a high-performance, versatile open networking white box router that is designed to address the changing needs of backhaul transport requirements as Telecoms make the transition from legacy technologies towards 5G. It enables telecoms and service providers to deploy disaggregated open network infrastructure to lower costs and rapidly scale existing services for edge computing, mobile backhaul, and broadband access applications.

The S9500-22XST is future-proofed with a powerful quad-core processor, 22 high-speed interfaces and full timing features supporting IEEE 1588v2 and SyncE. It is suitable for both indoor and outdoor deployments with redundant, hot-swappable components for convenience, increased availability, reliability and lower costs of maintenance.

KEY FEATURES

■ Supports full SyncE and IEEE 1558v2 (T-GM, T-BC, T-TC and T-TSC)

■ Integrated Stratum 3E OCXO with optional hold over performances

■ Class C timing accuracy support

■ Internal GNSS receiver for master clock implementations

■ Rich timing interfaces: ToD, 1PPS, BITS and 10MHz

■ 2GB deep buffering

■ Supports 100M/1G for legacy, 10G/25G for 5G and up to 100G for backhaul

■ Individual BMC allowing automatic and remote operations for monitoring and managing platform health status

■ 1 RU small form factor with 302mm depth

■ Hot swappable power supplies with 1+1 redundancy support

■ Hot swappable fan modules with 2+1 redundancy support

KEY BENEFITS

■ Compatible with open networking standards for highly reliable, composable networks.

■ Future-proof for 5G with ultra-low forwarding latency, high precision frequency and phase timing synchronizations.

■ Temperature hardened design to offer more flexibility when deploying outside plant cabinets for cell site backhauls.

■ Suitable for WAN and long-haul applications, designed for up to 80km backhaul distances.

SPECIFICATIONS

PHYSICAL

- 2 x 40/100G QSFP28 ports
- 8 x 1/10/25G SFP28 ports
- 8 x 100M/1/10G SFP+ ports
- 4 x 100M/1G RJ45 ports
- 1 x RJ45 & Micro USB serial console port
- 1 x 100/1000M RJ45 management port
- 1 x USB 2.0 Type-A port

Processor	Intel Broadwell-DE 4-Core @ 1.5GHz
Memory	8GB DDR4 (Up to 32GB)
Storage	32GB SSD (Up to 128GB)
ASIC	Broadcom Qumran-AX BCM88470
BMC	AST2400
Timing Interfaces	1 x GNSS input SMA 1 x 1PPS input/output SMA 1 x 10MHz input/output SMA 1 x ToD input RJ45 1 x BITS input RJ48
Timing Support*	Stratum 3E OCXO ITU-T Synchronous Ethernet (SyncE) IEEE 1588v2 - Default, G.8265.1 G.8275.1, G.8275.2, SMPTE ST 2059-2** , T-GM, T-BC/OC, T-TC
Chassis (WxDxH)	1 RU, 440 x 302 x 43.5 mm or 17.32" x 11.89" x 1.713" Weight: 4.75kg or 10.47lb
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 2+1 redundant Fans

*NOS integration is necessary to activate the specific feature.
**Additional license is required

ENVIRONMENTAL

Power Specs.	AC input: 100 to 240V, 3A DC input: -36 to -75V, 8A Typical power: 111.8 Watts (no transceiver)
Max. Operating Specs.	Operating temperature: -40℃ to 65℃ (-40°F to 149°F) Operating humidity: 5% to 85% (RH), non-condensing
Max. Non-Operating Specs.	Storage temperature: –40℃ to 70℃ (-40°F to 158°F) Storage humidity: 5% to 93% (RH), non-condensing

PERFORMANCE

Switching Capacity	300Gbps
Deep Buffer	2GB

REGULATORY COMPLIANCE

Safety	UL 62368-1 IEC 60950-1 IEC 62368-1 BSMI	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 55024 EN 55035 EN 62479 EN 50663 EN 300 386 EN 301 489 EN 303 413 BSMI VCCI CISPR 32, Class A
Environment	RoHS WEEE		

Specifications are subject to change without notice.
Contact our sales team for current configuration options.

S9500-22XST

Telecom Networking Solutions

S9500-22XST Front and Back Views

ACCESSORIES

Compatible Transceiver Types
100G QSFP28 SR4, 100G QSFP28 LR4, 100G QSFP28 ER4, 25G SFP28 SR, 25G SFP28 LR, 25G SFP28 ER, 10G SFP+ SR, 10G SFP+ LR, 10G SFP+ ER, 10G SFP+ ZR, 1G SFP SX, 1G SFP LX, 1G SFP EX, 1G SFP ZX

Compatible Timing Cable Types
50 ohms SMA coaxial cable with 1/4-36UNS-2B connector for GNSS, 1PPS, and 10MHz
Shield cable with RJ45 for ToD
Shield cable with RJ48 for BITS

Available to Order
Power Supply Types
PSU-201-DISB, 200W DC, intake air flow
PSU-201-AISB, 200W AC, intake air flow

Fan Types
FAN-402825-HD, exhaust air flow

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