

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 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.

KEY FEATURES

- Supports full SyncE and IEEE 1588v2 (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

SPECIFICATIONS

PHYSICAL

- ◆ 2 x 40/100G QSFP28 ports
- ◆ 8 x 10/25G SFP28 ports
- ◆ 8 x 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

Storage 32GB SSD

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), T-TC, T-BC/OC, T-GM

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

ENVIRONMENTAL

Power Specs. AC input: 100 to 240V, 3A
DC input: -36 to -75V, 8A
Typical power: 96 Watts (no transceiver)

Max. Operating Specs. Operating temperature: -40°C to 65°C (-40°F to 149°F)
Operating humidity: 5% to 85% (RH), non-condensing

Max. Non-Operating Specs. Storage temperature: -40°C to 70°C (-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 62368-1
BSMI

Environment WEEE
RoHS
ETSI 300 019

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

Specifications are subject to change without notice.

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

