

## 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 1588v2 (T-GM, T-BC, T-TC and T-TSC)
- Integrated Stratum 3E OCXO with optional hold over performances
- Class C timing accuracy support
- Integrated GNSS receiver with passive or active antenna support
- 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 300mm 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 backhails.
- Suitable for WAN and long-haul applications, designed for up to 80km backhaul distances.



# SPECIFICATIONS

## PHYSICAL

- ◆ 2 x 100GE QSFP28 ports
- ◆ 8 x 25GE SFP28 ports
- ◆ 8 x 10GE SFP+ ports
- ◆ 4 x 1GE RJ45 ports
- ◆ 1 x RJ45 serial console port
- ◆ 1 x Micro USB console port
- ◆ 1 x 1000 Base-T Ethernet port for OOB
- ◆ 1 x USB 2.0 Type-A general purpose port

Processor Intel Broadwell-DE D1519 4 Cores @1.5GHz

Memory 1x 8GB DDR4 SO-DIMM with ECC

Storage 1x 32GB M.2 SSD

ASIC Broadcom Qumran-AX BCM88470

Timing 1 x GNSS input

Interfaces 1 x 1PPS input/output

1 x 10MHz input/output

1 x ToD input/output

1 x BITS input

Hardware ITU-T Synchronous Ethernet (SyncE)

Timing IEEE 1588v2 (Default, G.8265.1, G.8275.1, G.8275.2,

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

Chassis 1 RU, 440 x 302 x 43.5 mm

(WxDxH) or 17.32" x 11.89" x 1.713"

Net weight: 6.6 kg. or 14.55 lbs.

Redundancy Hot swappable, 1+1 redundant PSU

Hot swappable, 2+1 redundant fans

## ENVIRONMENTAL

Power Supply AC input: 100 ~ 240V, 3~1.5A, 50-60Hz

DC input: -36 ~ -75V, 8~4A

Max power: 200 Watts

Max. Operating Specs.

Operating temperature: -40°C to 65°C (-40°F to 149°F)

Operating humidity: 5% to 95% (RH), noncondensing

Max. Non-Operating Specs.

Storage temperature: -40°C to 70°C (-40°F to 158°F)

Storage humidity: 5% to 85% (RH), non-condensing

## PERFORMANCE

Switching Capacity 300 Gbps

Packet Throughput 300 Mpps

## REGULATORY COMPLIANCE

Safety

UL 62368-1

IEC/EN 60950-1

IEC/EN 62368-1

BSMI CNS 14336-1

EMC

FCC Part 15, Subpart B, Class A

EN55032, Class A

EN300 386

EN55024

EN301 489-1

EN301 489-19

EN303413

BSMI (CNS 13438), Class A

Specifications are subject to change without notice.

# S9500-22XST

Telecom  
Networking  
Solutions

S9500-22XST Front and Back Views



## SUPPORTED ACCESSORIES

### Transceivers

100GBASE SR4 QSFP28, 100GBASE CWDM4 QSFP28, 100GBASE LR4 QSFP28, 25GBASE SR SFP28, 25GBASE LR SFP28, 10GBASE SR SFP+, 10GBASE LR SFP+, 10GBASE ER SFP+, 10GBASE ZR SFP+, 1GBASE-T, 1GBASE SX SFP, 1GBASE LX SFP, 1GBASE EX SFP, 1GBASE ZX SFP

### 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

### Power Supply Types

PSU-201-DISB, 200W DC PSU, intake air flow

PSU-201-AISB, 200W AC PSU, intake air flow

### Fan Types

FAN-402825-HD, exhaust air flow

