

# S9510-30XC

## DISAGGREGATED CELL SITE GATEWAY ROUTER

The UfiSpace S9510-30XC 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 S9510-30XC is future-proof with 30 high-speed interfaces, support for FlexE features and options for processing capabilities. It supports full timing features of IEEE 1588v2, SyncE, and TSN. Suitable for both indoor and outdoor deployments, the S9510-30XC has 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, T-TSC)
- Integrated Stratum 3E OCXO with optional hold over performances
- Supports Time Sensitive Networking (TSN) for low packet loss and low delay variation
- Supports FlexE for bandwidth utilization
- Class C timing accuracy support
- Rich timing interfaces : 10MHz, 1PPS, ToD, and BITS
- Supports 10/25/40/100G for 5G
- OIF FlexE version 1.1 and 2.0 compliant and support 200G total bandwidth
- Internal GNSS receiver for master clock implementations
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 4+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 to offer more flexibility for deploying outside plant cabinets for cell site backhails.
- Versatile applications such as mobile backhaul, wireless backhaul and private 5G network.



# SPECIFICATIONS

## PHYSICAL

- ◆ 2 x 40/100G QSFP28 ports with FlexE support
- ◆ 8 x 10/25G SFP28 ports
- ◆ 20 x 1/10/25G SFP28 ports
- ◆ 1 x RJ45 serial console port
- ◆ 1 x 100/1000M RJ45 management port
- ◆ 1 x USB 3.0 Type-A port

Processor Intel Denverton-NS 4-Core @ 1.6GHz

Memory 8GB DDR4

Storage 32GB SSD

ASIC Broadcom Qumran2u BCM88284

BMC AST2620

Timing Interfaces  
 1 x GNSS input SMA  
 1 x 10MHz input/output SMB  
 1 x 1PPS input/output SMB  
 1 x ToD input RJ45  
 1 x BITS input/output 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  
 Time Sensitive Networking (TSN)

Chassis (WxDxH)  
 1 RU, 440 x 302 x 43.5mm  
 or 17.32" x 11.89" x 1.713"  
 Weight: 4.5kg or 9.92lb

Redundancy Hot swappable, 1+1 redundant PSU  
 Hot swappable, 4+1 redundant Fans

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

## ENVIRONMENTAL

Power Specs. AC input: 100 to 240V, 6A  
 DC input: -36 to -75V, 16A  
 Typical power: 126 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 360 Gbps

Deep Buffer 2 GB

## REGULATORY COMPLIANCE

|             |                    |     |                                |
|-------------|--------------------|-----|--------------------------------|
| Safety      | UL 62368-1         | EMC | FCC Part 15 Subpart B, Class A |
|             | IEC 62368-1        |     | ICES-003, Class A              |
| Environment | NEBS GR-63<br>WECC |     | EN 55032, Class A              |
|             |                    |     | EN 300 386                     |
|             |                    |     | EN 55035                       |
|             |                    |     | EN 301 489                     |
|             |                    |     | EN 303 413                     |
|             |                    |     | EN 62479                       |
|             |                    |     | EN 50663                       |
|             |                    |     | VCCI CISPR 32, Class A         |
|             |                    |     | NEBS GR-1089                   |
|             |                    |     | NEBS GR-3108                   |

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

# S9510-30XC

Telecom  
 Networking  
 Solutions

S9510-30XC 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

### Compatible Timing Cable Types

50 ohms SMA coaxial cable with 1/4-36UNS-2B connector for GNSS  
 50 ohms SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz  
 Shield cable with RJ45 for ToD  
 Shield cable with RJ48 for BITS

### Available to Order

#### Power Supply Types

PSU-401-DISB-1, 400W DC, intake air flow  
 PSU-401-AISB, 400W AC, intake air flow

#### Fan Types

FAN-402825-HD, exhaust air flow

