

# 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
- Rich timing interfaces : GNSS, 10MHz, 1PPS, ToD, and BITS
- Supports 1GE for legacy and 10/25/40/100GE for 5G
- OIF FlexE version 1.1 and 2.0 compliant and support 100G total bandwidth
- 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 backhuls.
- Versatile applications such as mobile backhaul, wireless backhaul and private 5G network.



# SPECIFICATIONS

## PHYSICAL

♦ 28 x 1/10/25GE SFP28 ports	
♦ 2 x 40/100GE QSFP28 ports with FlexE support	
♦ 1 x RJ45 serial console port	
♦ 1 x 10/100/1000M RJ45 management port	
♦ 1 x USB 3.0 Type-A general purpose port	
Processor	Intel Denverton-NS C3508 4 Core @1.6GHz
Memory	1x 8GB DDR4 SO-DIMM with ECC
Storage	1 x 128GB M.2 SSD
ASIC	Broadcom Qumran2u BCM88284
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 RJ48
Timing Features	ITU-T Synchronous Ethernet (SyncE)
	IEEE 1588v2 (Default, G.8265.1 G8275.1, G.8275.2, T-TC, T-BC/OC, T-GM)
	Time Sensitive Networking (TSN)
Chassis (WxDxH)	1 RU, 440 x 302 x 43.5mm or 17.32" x 11.89" x 1.713" Net weight: 6.65 kg. or 14.6 lbs.
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 4+1 redundant fans

## ENVIRONMENTAL

Power Supply	AC input: 100V~240V AC/DC
	DC input: -48V DC/DC
Max. Operating Specs.	Operating temperature: -40°C to 65°C (-40°F to 149°F)
	Operating humidity: 5% to 93% (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	360 Gbps
Packet Throughput	300 Mpps

## REGULATORY COMPLIANCE

Safety	UL 62368-1 3rd	EMC	FCC Part 15B, ClassA
	EN 60950-1		ICES-003 ISSUE7
	IEC/EN 62368-1		EN55032, Class A
			EN55024
			EN301 489-1
			EN301 489-19
			EN303413 V1.1.1
			VCCI

Specifications are subject to change without notice.

S9510-30XC

Telecom  
Networking  
Solutions

S9510-30XC Front and Back Views



## SUPPORTED ACCESSORIES

Transceivers	100GBASE QSFP28 SR4, 100GBASE QSFP28 LR4, 25GBASE SFP28 SR, 25GBASE SFP28 LR, 10GBASE SFP+ SR, 10GBASE SFP+ LR, 1GBASE SFP SX, 1GBASE SFP LX
	Cable Types
	SMA coaxial cable with 1/4-36UNS-2B connector for GNSS
	SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz
Power Supply Types	Shield cable with RJ45 for ToD
	Shield cable with RJ48 for BITS
	FRU 400W DC, intake air, slim type, blue colored latch
	FRU 400W AC, intake air, slim type, blue colored latch
Fan Types	FAN-402825-HD, exhaust air flow

