

# 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 backhuls.
- Versatile applications such as mobile backhaul, wireless backhaul and private 5G network.



# SPECIFICATIONS

## PHYSICAL

	<ul style="list-style-type: none"><li>2 x 40/100G QSFP28 ports with FlexE support</li></ul>
	<ul style="list-style-type: none"><li>8 x 10/25G SFP28 ports</li></ul>
	<ul style="list-style-type: none"><li>20 x 1/10/25G SFP28 ports</li></ul>
	<ul style="list-style-type: none"><li>1 x RJ45 serial console port</li></ul>
	<ul style="list-style-type: none"><li>1 x 100/1000M RJ45 management port</li></ul>
	<ul style="list-style-type: none"><li>1 x USB 3.0 Type-A port</li></ul>
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 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" Weight: 4.5kg or 9.92lb
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 4+1 redundant Fans

S9510-30XC

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## 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 IEC 62368-1	EMC	FCC Part 15 Subpart B, Class A ICES-003, Class A 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
Environment	NEBS GR-63 WECC		

Specifications are subject to change without notice.

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

