

## S9501-18SMT

### DISAGGREGATED CELL SITE GATEWAY ROUTER

The UfiSpace S9501-18SMT 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 S9501-18SMT is future-proofed with a powerful quad-core processor, 18 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

- 1GB deep packet buffer
- Supports full SyncE and IEEE 1588v2 (T-GM, T-BC, T-TC, and T-TSC)
- Integrated Stratum 3E OXCO with optional hold over performances
- Class C timing accuracy support
- Internal GNSS receiver for master clock implementations
- Rich timing interfaces: ToD, 1PPS and 10MHz
- Supports 100M/1G/10G port speeds
- Individual BMC allowing automatic and remote operations for monitoring and managing platform health status
- 1RU, compact size with 302mm 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 to offer more flexibility for deploying outside plant cabinets for cell site backhuls.
- Suitable for WAN and long-haul applications, designed for up to 80km backhaul distances.
- Enable T-GM source at cell sites without the need to install additional equipment.
- Versatile applications such as 4G/5G aggregation, mobile backhaul, wireless backhaul and private 5G network.



# SPECIFICATIONS

## PHYSICAL

♦ 6 x 1/10G SFP+ ports	
♦ 8 x 100M/1G SFP ports	
♦ 4 x 100M/1G RJ45 ports	
♦ 1 x RJ45 serial console port	
♦ 1 x 100/1000M RJ45 management port	
♦ 1 x USB 2.0 Type-A port	
Processor	Intel Denverton-NS 4-Core @ 1.6GHz
Memory	8GB DDR4
Storage	32GB SSD
ASIC	Broadcom Qumran-UX BCM88272
BMC	AST2620
Timing Interfaces	1 x GNSS input SMA 1 x 1PPS input/output SMB 1 x 10MHz input/output SMB 1 x ToD input/output RJ45
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
Chassis (WxDxH)	1 RU, 440 x 302 x 43.5mm or 17.32" x 11.89" x 1.713" Weight: 4.34kg or 9.57lb (without FRU)
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 2+1 redundant Fans

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

S9501-18SMT

Telecom  
Networking  
Solutions

## ENVIRONMENTAL

Power Specs.	AC input: 100 to 240V, 3A
	DC input: -36 to -75V, 8A
	Typical power: 52 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	64Gbps
Deep Buffer	1GB

## REGULATORY COMPLIANCE

Safety	UL 62368-1 IEC 60950-1 IEC 62368-1 BSMI	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 55035 EN 300 386 EN 301 489 EN 303 413 BSMI
	Environment	WEEE RoHS	

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

S9501-18SMT Front and Back Views



## ACCESSORIES

- Compatible Transceiver Types  
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  
50 ohms SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz  
Shield cable with RJ45 for ToD
- Available to Order  
Power Supply Types  
PSU-201-DISB, 200W DC PSU, intake air flow  
PSU-201-AISB, 200W AC PSU, intake air flow  
  
Fan Types  
FAN-402818-HC, exhaust air flow

