

## 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 backhauls.
- 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

Redundancy Hot swappable, 1+1 redundant PSU  
Hot swappable, 2+1 redundant Fans

## 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

Environment WEEE  
RoHS

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

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

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

# S9501-18SMT

Telecom  
Networking  
Solutions

## 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

