

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 enabled with UfiSpace's Network Timing Module
- Integrated GNSS receiver with passive or active antenna support
- 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 10GE SFP+ ports
- ◆ 8 x 1GE SFP ports
- ◆ 4 x 1GE RJ45 ports
- ◆ 1 x RJ45 serial console port
- ◆ 1 x 1000 Base-T Ethernet port for OOB
- ◆ 1 x USB 2.0 Type-A general purpose port

Processor Intel Denverton-NS C3508 4 Cores @1.6GHz

Memory 1x 8GB DDR4 SO-DIMM with ECC

Storage 1x 32GB SSD

ASIC Broadcom Qumran-UX BCM88272

Timing 1 x GNSS input
 Interfaces 1 x 1PPS input/output
 1 x 10MHz input/output
 1 x ToD input/output

Hardware ITU-T Synchronous Ethernet (SyncE)
 Timing IEEE 1588v2 (Default, G.8265.1, G.8275.1, G.8275.2,
 Capabilities T-TC, T-BC/OC, T-GM)

Chassis 1 RU, 440 x 302 x 43.5mm
 (WxDxH) or 17.32" x 11.89" x 1.713"
 Net weight: 6.6 kg. or 14.55 lbs.

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

ENVIRONMENTAL

Power Supply AC input: 100 ~ 240V, 3~1.5A, 50-60Hz
 DC input: -36 ~ -75V, 8~4A
 Max power: 200 Watts

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 64 Gbps

Packet Throughput 87.5Mpps

REGULATORY COMPLIANCE

Safety	EMC
UL 62368-1	FCC Part 15, Subpart B, Class A
IEC/EN 60950-1	EN55032, Class A
IEC/EN 62368-1	EN300 386
BSMI CNS 14336-1	EN55024
	EN301 489-1
	EN301 489-19
	EN303413
	BSMI (CNS 13438), Class A

Specifications are subject to change without notice.

S9501-18SMT

Telecom
 Networking
 Solutions

S9501-18SMT Front and Back Views



SUPPORTED ACCESSORIES

Transceivers

10GBASE LR SFP+, 10GBASE ER SFP+, 10GBASE ZR SFP+, 1GBASE-T RJ45,
 1GBASE SX SFP, 1GBASE LX SFP, 1GBASE EX SFP, 1GBASE ZX SFP

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
 Shield cable with RJ45 for ToD

Power Supply Types

PSU-201-DISB, 200W DC PSU, intake air flow
 PSU-201-AISB, 200W AC PSU, intake air flow

Fan Types

FAN-402825-HD, exhaust air flow

