S9502-16SMT

DISAGGREGATED
CELL SITE GATEWAY ROUTER

The UfiSpace S9502-16SMT Disaggregated Cell Site Gateway (DCSG) enables telecommunications service providers to migrate their Radio Access Networks (RAN) to 5G with a fanless design leading to reduced moving parts, lower maintenance and better TCO. With 100M/1G port interfaces suitable for 2G, 3G, 4G BBUs to 10G interfaces suitable for 5G services capacities, this DCSG provides high throughput with the least amount of power consumption possible.

The S9502-16SMT utilizes the Broadcom Qumran-UX silicon and Intel's Denverton-NS CPU to provide service providers with a highly reliable disaggregated cell site router to expand their services to the very edge of their network.

KEY FEATURES

- Broadcom Qumran-UX silicon

- Supports SyncE and IEEE 1558v2 (T-BC, T-TC, and T-TSC)

- Integrated Stratum 3E OCXO with optional hold over performances

- Class C timing accuracy support

- Rich timing interfaces: ToD, 1PPS and 10MHz

- Supports 100M/1G for legacy and 10G for 5G

- 1 RU small form factor with depth (250mm)

- Fixed 1+1 redundant power supply

- Fanless chassis design

KEY BENEFITS

- Low maintenance, low servicing and lightweight for easy handling

- Compatible with open networking standards for programmable networks solutions

- Easily migrate from legacy to 5G Non-standalone and 5G Standalone networks

- Enable 5G services with ultra-low forwarding latency, high precision frequency and phase timing synchronizations

- Temperature hardened to offer more reliability when deploying at hard to reach cell sites

SPECIFICATIONS

PHYSICAL

- 4 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 2-Core @ 1.6GHz
Memory	8GB DDR4
Storage	32GB SSD
ASIC	Broadcom Qumran-UX BCM88273
Timing Interfaces	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-BC/OC, T-TC
Chassis (WxDxH)	1 RU, 440 x 250 x 43.5mm or 17.32" x 9.84" x 1.713" Weight: 4.32kg or 9.52lb
Redundancy	Fixed, 1+1 redundant PSU

*NOS integration is necessary to activate the specific feature.

**Additional license is required

ENVIRONMENTAL

Power Specs.	AC input: 100 to 240V, 2A DC input: -36 to -75V, 4.5A Typical power: 45.1 Watts (no transceiver)
Max. Operating Specs.	Operating temperature: -40℃ to 65℃ (-40°F to 149°F) Operating humidity: 5% to 85% (RH), non-condensing
Max. Non-Operating Specs.	Storage temperature: -40℃ to 70℃ (-40°F to 158°F) Storage humidity: 5% to 93% (RH), non-condensing

PERFORMANCE

Switching Capacity	32Gbps
Deep Buffer	1GB

REGULATORY COMPLIANCE

Safety	UL 62368-1 IEC 60950-1 IEC 62368-1 NRCS	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 55035 EN 300 386 VCCI CISPR 32, Class A SANS 2332, Class A SANS 2335
Environment	RoHS WEEE		

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

S9502-16SMT

S9502-16SMT 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 SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz
Shield cable with RJ45 for ToD

Fixed Power Supply Types
120W DC PSU, fixed dual feed
120W AC PSU, fixed dual feed

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