

S9502-12SM

DISAGGREGATED CELL SITE GATEWAY ROUTER

The UfiSpace S9502-12SM 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 S9502-12SM 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 1588v2 (T-BC, T-TC, and T-TSC)
- Integrated Stratum 3E OXCO 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
- ◆ 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 OCOXO
ITU-T Synchronous Ethernet (SyncE)
IEEE 1588v2 (Default, G.8265.1 G8275.1, G.8275.2), T-TC, T-BC/OC

Chassis (WxDxH)
1 RU, 440 x 250 x 43.5mm or
17.32" x 9.84" x 1.713"
Weight: 4.26kg or 9.39lb

Redundancy Fixed, 1+1 redundant PSU

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°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 32Gbps

Deep Buffer 1GB

REGULATORY COMPLIANCE

Safety UL 62368-1
IEC 60950-1
IEC 62368-1
NRCS

Environment RoHS
WEEE

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

Specifications are subject to change without notice.

S9502-12SM

Telecom
Networking
Solutions

S9502-12SM 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

