

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 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 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 1GE/10GE SFP+ ports
- ◆ 8 x 1GE SFP 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 C3308 Dual Core @1.6GHz

Memory 1 x 8GB DDR4 with ECC

Storage 1x 32GB M.2 SSD

ASIC Broadcom Qumran-UX BCM88273

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

Hardware Timing Features
ITU-T Synchronous Ethernet (SyncE)
IEEE 1588v2 (Default, G.8265.1, G.8275.1, G.8275.2)

Chassis (WxDxH)
1 RU, 440 x 250 x 43.5mm
or 17.32" x 9.84" x 1.713"
Net weight: 4.26 kg. or 9.39 lbs.

Redundancy Fixed, 1+1 redundant PSU

ENVIRONMENTAL

Power Specs. AC input: 100V~ 240V AC/DC
DC input: -36 ~ -75V DC/DC
Typical power: 34 Watts (no transceiver)

Max. Operating Specs. Operating temperature: -40°C to 65°C (-40°F to 149°F)
Operating humidity: 5% to 95% (RH), noncondensing

Max. Non-Operating Specs. Storage temperature: -40°C to 70°C (-40°F to 158°F)
Storage humidity: 5% to 95% (RH), non-condensing

PERFORMANCE

Switching Capacity 32 Gbps

REGULATORY COMPLIANCE

Safety UL 62368-1
IEC 60950-1
IEC/EN 62368-1

EMC FCC Part 15, Subpart B, Class A
ICES 003 Issue 7, Class A
EN55032, Class A
EN300 386
EN55024
EN55035

Specifications are subject to change without notice.

S9502-12SM

Telecom
Networking
Solutions

S9502-12SM Front and Back Views



SUPPORTED ACCESSORIES

Transceivers

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

Cable Types

SMB coaxial cable for 1PPS, and 10MHz
Shield cable with RJ45 for ToD

Power Supply Types

120W DC PSU, fixed dual feed
120W AC PSU, fixed dual feed

