

S9610-36D

Open Aggregation Router

The UfiSpace S9610-36D is a 36 x 400G open aggregation router that supports service providers evolve their networks to 400G while enabling next generation of 5G services and applications.

The S9610-36D can be deployed in the provider edge network to provide transport services over a scalable next generation telecom network. It is also suitable for central office data centers and metro network aggregation. With support for OpenZR+ and 400ZR, it provides better usage of bandwidth for WAN and regional aggregation. Our S9610-36D is also capable of mobile network aggregation with support for SyncE and IEEE 1588v2 with Class C timing accuracy.

The S9610-36D open aggregation router uses the Broadcom J2C+ silicon, which provides 16GB deep buffering and 14.4Tbps switching capacity. It includes a knowledge-based processor (or TCAM) to perform up to 16 parallel searches to reach decision speeds of multiple billion decisions per second, which makes it ideal for provider edge applications. As an aggregation router, the S9610-36D enables fault and performance monitoring, non-stop routing support for control and data plane, and comprehensive high-availability networks.



KEY BENEFITS

- Highly reliable, non-blocking switching capacity
- Enable MACsec for point-to-point security
- Integrate open NOS applications for highly reliable composable networks
- Futureproof to meet the evolving requirements of 5G with ultra-low latency, high precision frequency and phase timing synchronization support
- Suitable for WAN and long-haul applications, supports OpenZR+ for metro and regional aggregation
- Streamline maintenance with redundant and hot swappable power and fan modules

KEY FEATURES

- High speed 400G ports with support for OpenZR+
- 14.4Tbps switching capacity with an 8-Core, 1.9GHz processor
- 16GB Deep Buffer
- Supports SyncE and IEEE 1588v2 timing synchronization profiles
- Integrated Stratum 3E OCXO with optional hold over performances
- Class C timing accuracy
- TCAM to offer additional table sizes
- Hot swappable power supplies with 1+1 redundancy support
- Hot swappable fan modules with 3+1 redundancy support

SPECIFICATIONS

PHYSICAL

- ◆ 36 x 40/100/200/400G QSFP-DD ports with 400G ZR/ZR+ support
- ◆ 2 x 10G SFP+ management ports
- ◆ 1 x RJ45 & Micro USB serial console ports
- ◆ 1 x 100/1000M RJ45 management port
- ◆ 1 x USB 3.0 Type-A port

Processor Intel Skylake-D 8-Core @ 1.9GHz

Memory 64GB DDR4 (Up to 128GB)

Storage 1 x 128GB SSD (Up to 2 x 128GB)

ASIC Broadcom Jericho2c+ BCM88850
Broadcom OP2 BCM16K

BMC AST2620

Timing 1 x 10MHz input/output SMB

Interfaces 1 x 1PPS input/output SMB

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) 2RU, 436 x 762 x 87.7 mm
or 17.17" x 30" x 3.45"
Weight: 24.12kg or 53.18lb

Redundancy Hot swappable, 1+1 redundant PSU
Hot swappable, 3+1 redundant Fans

*NOS integration is necessary to activate the specific feature.

**Additional license is required

ENVIRONMENTAL

Power Specs. AC input: 200 to 240V, 16A
DC input: -40 to -72V, 80A
Typical power: 767 Watts (no transceiver)

Max. Operating Specs. Operating temperature: 0°C to 45°C (32°F to 113°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 14.4Tbps

Deep Buffer 16GB

REGULATORY COMPLIANCE

Safety UL 62368-1
IEC 62368-1

EMC FCC Part 15, Subpart B, Class A
ICES-003, Class A
EN 55032, Class A
EN 300 386
EN 55035
VCCI CISPR 32, Class A

Environment WEEE

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

S9610-36D

Telecom
Networking
Solutions

S9610-36D Front and Back Views



ACCESSORIES

Compatible Transceiver Types

400G QSFP-DD OpenZR+, 400G QSFP-DD ZR, 400G QSFP-DD SR8, 400G QSFP-DD FR4, 400G QSFP-DD LR4, 400G QSFP-DD ER4, 400G QSFP-DD DR4, 400G QSFP-DD DR4+, 400G QSFP-DD PLR4, 200G QSFP56 SR4, 200G QSFP56 FR4, 100G QSFP28 SR4, 100G QSFP28 LR4, 100G QSFP28 ER4, 100G QSFP28 ZR4

Compatible Timing Cable Types

50 ohms SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz

Available to Order

Power Supply Types

PSU-302-DESR, 3000W DC, exhaust air flow
PSU-302-AESR, 3000W AC, exhaust air flow

Fan Types

FAN-808012-HC, exhaust air flow

