

S9611-36D

Open Aggregation Router

The UfiSpace S9611-36D 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 S9611-36D 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 S9611-36D is also capable of mobile network aggregation with support for SyncE and IEEE 1588v2 with Class C timing accuracy.

The S9611-36D 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 a aggregation router, the S9611-36D 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, 2.1GHz processor with VROC support
- 16GB Deep Buffer
- Class C timing accuracy support
- Fully supports SyncE and IEEE 1588v2 timing synchronization profiles
- Integrated Stratum 3E OCXO with optional hold over performances
- Support full Segment Routing over IPv6 (SRv6)
- 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 1/10G SFP+ ports
- 1 x 100/1000M RJ-45 OOB management port
- 1 x RJ45 serial console ports
- 1 x USB 3.0 Type-A port

ASIC Broadcom Jericho2c+ BCM88850
Broadcom OP2 BCM16K

Processor Intel Icelake-D 8-Core @ 2.1GHz, VROC Support

Memory 64GB DDR4

Storage 2x256GB SSD

BMC Aspeed AST2620

Timing Interfaces 1 x 1PPS input/output SMB
1 x 10MHz 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-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 (without FRU)

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

ENVIRONMENTAL

Power Supply 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

*NOS integration is necessary to activate the specific feature.

**Additional license is required

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

S9611-36D Front and Back Views



SUPPORTED ACCESSORIES

Compatible Transceivers 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



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