

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 a 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
- Class C timing accuracy support
- Fully supports SyncE and IEEE 1588v2 timing synchronization profiles
- Integrated Stratum 3E OXC 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 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-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

*NOS integration is necessary to activate the specific feature.
**Additional license is required

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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 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

