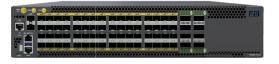




The S9600-72XC can be deployed at C-RAN hubs to provide 5G fronthaul transport aggregation or be positioned at the backhaul for aggregating BBU pooling. It can also be programmed to be a Broadband Network Gateway (BNG) to enable the next generation broadband network. Equipped with high port density, Class C timing and fully supporting SyncE and IEEE 1588v2, our S9600-72XC is capable of fulfilling the role of any type of network aggregation.

Specializing in 5G Time Sensitive Networking applications, the S9600-72XC complies to the IEEE 802.1CM and can act as an Edge Grandmaster (GM) clock. Our open aggregation router is compatible with high accuracy fronthaul synchronization and timing requirements (ITU-T G.8273.2 T-BC, Class C) to ensure error free operation of 5G and cooperative radio techniques.



KEY BENEFITS

- Highly reliable, non-blocking switching capacity
- Enable Time Sensitive Networking for 5G compatibility
- Integrate open NOS applications for highly reliable composable networks
- Futureproof to meet evolving requirements of 5G with ultra-low latency, high precision frequency and phase timing synchronization support
- Quick and easy installation onto standard 19" server racks
- Streamline maintenance with redundant and hot swappable power and fan modules

KEY FEATURES

- High density, 64x25G ports with additional 1x100G ports
- 2.4Tbps switching capacity with an 8-Core, 1.9GHz processor
- 4GB Packet buffer
- Hardware supports full SyncE and IEEE 1588v2
- Integrated Stratum 3E OCXO with optional hold over performances
- Class C timing accuracy
- Internal GNSS receiver for master clock implementations
- Rich timing interfaces: GNSS, 10MHz, 1PPS and ToD

SPECIFICATIONS

PHYSICAL

•	8 x 40/100G	OSFP28	ports
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• 64 x 1/10/25G SFP28 ports

2 x 10GBase SFP+ management ports

• 1 x RJ45 serial console port

• 1 x Micro USB serial console port

1 x 100/1000M RJ45 management port

1 x USB 3.0 Type-A port

Processor	Intel Skylake-D 8-Core @ 1.9GHz			
Memory	32GB DDR4			
Storage	128GB SSD			
ASIC*	Broadcom Qumran2c BCM88820 Broadcom OP2 BCM16K (Premium)			
ВМС	AST2400			
Timing Interfaces	1 x GNSS input SMA 1 x 10MHz input/output SMB 1 x 1PPS input/output SMB 1 x ToD input/output RJ45			
Timing Support	Stratum 3E OCXO ITU-T Synchronous Ethernet (SyncE) IEEE 1588v2 (Default Profile, G.8265.1 G8275.1, G.8275.2 profiles), T-TC, T-BC/OC, T-GM Time Sensitive Networking (TSN)			
Chassis (WxDxH)	2 RU, 436 x 609.6 x 87.7 mm or 17.17" x 24" x 3.45" Weight: 15.19kg or 33.49lb			
Redundancy	Hot-swappable, 1+1 redundant PSU Hot-swappable, 3+1 redundant Fans			

^{*}OP2 available for premium SKU only

ENVIRONMENTAL

Power Specs. AC input: 100 to 240V, 12A

DC input: -40 to -75V, 40A

Typical power: 312 Watts (no transceiver)

Max. Operating

Operating temperature: 0°C to 45°C (32°F to 113°F) Operating humidity: 5% to 85% (RH), non-condensing

Max. Non-Operating

Storage temperature: –40°C to 70°C (–40°F to 158°F)

Specs.

Specs.

Storage humidity: 5% to 93% (RH), non-condensing

PERFORMANCE

Switching Capacity	2.4Tbps
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Deep Buffer 4GB

REGULATORY COMPLIANCE

Environment	UL 62368-1 IEC 62368-1 BSMI WEEE ROHS ETSI 300 019 ETSI 300 132-2 GR-63, NEBS Level 3	EMC	FCC Part 15, Subpart B, Class A ICES-003, Class A EN 55032, Class A EN 55024 EN 55035 EN 62479 EN 50663 EN 300 386 EN 301 489 EN 303 413 BSMI VCCI CISPR 32, Class A GR-1089, Level 3 GR-3108
	C. CO,		

Specifications are subject to change without notice.

S9600-72XC

S9600-72XC Front and Rear Views





ACCESSORIES

Compatible Transceivers Types

100G QSFP28 SR4, 100G QSFP28 LR4, 100G QSFP28 ER4, 100G QSFP28 ZR4, 25G SFP28 SR, 25G SFP28 LR, 25G SFP28 ER, 10G SFP+ SR, 10G SFP+ LR, 10G SFP+ ER, 1G SFP SX, 1G SFP LX, 1G SFP EX

Compatible Timing Cable Types

50 ohms SMA coaxial cable with 1/4-36UNS-2B connector for GNSS 50 ohms SMB coaxial cable with 10-32UNF-2A connector for 1PPS and 10MHz Shield cable with RJ45 for ToD

Available to Order

Power Supply Types

PSU-132-DESR, 1300W DC, exhaust air flow PSU-132-AESR, 1300W AC, exhaust air flow

Fan Types

FAN-803816-HI, exhaust air flow



Solutions

Networking

Telecom