S9700-23D

DISAGGREGATED
Core & Edge Router

The S9700-23D is the best of breed robust, flexible and carrier-grade disaggregated IP/MPLS router that can be deployed in the core or edge to transport services over a scalable next-gen service provider network. Equipped with 400G service and fabric ports, S9700-23D enables fault and performance monitoring, non-stop routing support for control and data plane, and comprehensive high-availability networks.

As a standalone router, the S9700-23D can be deployed at the edge network to enable transport services over a scalable next generation Telecom network. It provides 8GB deep buffering with 2000Mpps packet throughput and 4.8Tbps 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.

When coupled with UfiSpace's fabric switch (S9705-48D), the S9700-23D becomes a building block for a distributed disaggregated chassis (DDC). The DDC allows network service providers to implement a pay-as-you-grow model when scaling core network capacities with a S9700-23D cluster scaling up to 192Tbps.

KEY BENEFITS

- Flexible capacity growth using horizontal scaling, pay-as-you-grow model
- Accelerated table lookup, packet buffering, and control memory with low latency high bandwidth memory
- Flexible and programmable packets processor
- High density ports with low power consumption
- Ideal for Core, Edge, and Central Office deployments (NEBS Level 3)
- Upstream connectivity management supported by three flexibly configured fabric pipes
- Dynamic distribution and routing through automatic fault detection and recovery

KEY FEATURES

- Function as standalone or a cluster (4Tbps up to 192Tbps)
- Interoperable with other S9700 Series using S9705-48D as fabric
- Service Ports support 4x100G break-out
- 8GB deep buffering and Intel Broadwell-DE 8-Core @ 2 GHz
- 64GB memory DDR4 R-DIMM with ECC
- Individual BMC allowing automatic and remote operations for monitoring and managing platform health status
- 1 + 1 hot swappable PSU FRU
- 3 + 1 hot swappable Fan FRU

SPECIFICATIONS

PHYSICAL

- 10 x 100/400G QSFP-DD service ports
- 13 x 400G QSFP-DD fabric ports
- 1 x RJ45 & Micro USB serial console ports
- 2 x 10GBase-X SFP+ management ports
- 1 x 100/1000M RJ45 management port
- 1 x USB 2.0 Type-A port

Processor	Intel Broadwell-DE 8-Core @ 2.0GHz
Memory	64GB DDR4
Storage	256GB SSD
ASIC	Broadcom Jericho2 BCM88690 Broadcom OP2 BCM16K
BMC	AST2400
LED	Power status Fan status System status Per port link status Beacon Per fan status Per PSU status
Chassis (WxDxH)	2RU, 436 x 762 x 87.7 mm or 17.17" x 30" x 3.45" Weight: 18.77kg or 41.38lb
Redundancy	Hot swappable, 1+1 redundant PSU Hot swappable, 3+1 redundant Fans

ENVIRONMENTAL

Power Specs.	AC input: 200 to 240V, 12.5A DC input: -40 to -72V, 60A Typical power: 283 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	4.8Tbps
Deep Buffer	8GB

REGULATORY COMPLIANCE

Safety	UL 62368-1 IEC 62368-1 BSMI NOM	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 AS/NZS CISPR 32, Class A ANATEL NEBS GR-1089, NEBS Level 3
Environment	WEEE RoHS GR-63, NEBS Level 3		

Specifications are subject to change without notice.

S9700-23D

Telecom Networking Solutions

S9700-23D Front and Back Views

ACCESSORIES

Compatible Transceiver Types
400GE QSFP-DD OpenZR+, 400GE QSFP-DD ZR, 400GE QSFP-DD SR8, 400GE QSFP-DD ER4, 400GE QSFP-DD LR4, 400GE QSFP-DD DR4, 100GE QSFP28 ZR4, 100GE QSFP28 ER4, 100GE QSFP28 LR4, 100GE QSFP28 SR4

Compatible Fabric Cable Types
400GE QSFP-DD DAC (Direct Attach Cable), 400GE QSFP-DD AEC (Active Electric Cable), 400GE QSFP-DD AOC (Active Optical Cable)

Available to Order
Power Supply Types
PSU-202-AESR, 2000W DC, exhaust air flow
PSU-202-AESR, 2000W AC, exhaust air flow

Fan Types
FAN-803816-HC, exhaust air flow

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