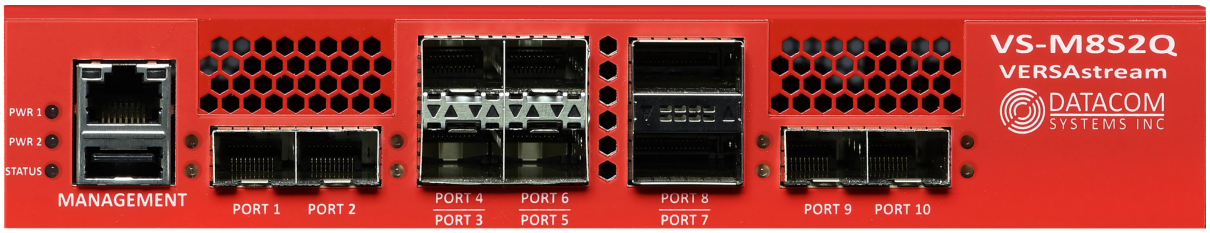
VERSAstream ™ VS-M8S2Q

1G/10G/40G compact Network Packet Broker - supports 16 ports of 1G/10G or 8 at 1G/10G and 2 at 40G



Scalable, flexible, powerful, and compact

The VS-M8S2Q provides supports 1G/10G on 8 SFP+ and 40G on 2 QSFP ports, allowing 40G tap outputs to be monitored by 10G tools. The flexible design allows the QSFP ports to support breakout cables - providing 16 ports of 1G/10G in a compact. "Future-proof" by using it today for legacy networks, and extend the life of 10G tools by using it for 40G links as they are added.

Data Filtering

Aggregating presents oversubscription and packet loss risk. Hardware based Layer 2 to Layer 4 filtering allows users to select only specific traffic of interest.

Aggregation, Replication, and Load Balancing

All ports function as inputs or outputs, allowing use of many inputs and only a few tools, or the inverse. Load balancing allows multiple inputs to be equally distributed among multiple outputs. If a tool NIC or output fails, traffic is automatically distributed among the remaining outputs.

Related Products

The FTC-24 modular tap system chassis and modules are an ideal complement. It holds up to 24 individual taps - including ones for 40G MTP/MPO. All other types of taps ranging from 1G to 100G - are also supported.

Highlights

- Monitor 40G sources with 10G tools
- Support up to 16 1G/1G ports in a compact unit using breakout cables
- Use data filtering to minimize oversubscription risk and optimize performance of monitoring tools

Features

• SFP+ ports support 1G/10G fiber, 10/100/1000/10G copper, and DAC cables

• Support 16 of 1G/10G ports using breakout cables - high density in a compact size

• Filtering – Line-rate hardware-based filtering can eliminate port oversubscription

• Filter on – Ipv4 Src/Dst Address; MAC Address; Protocol, Port, and Ethertypes (e.g. MPLS, VLAN, IPv6 Src/Dst Address)

• Aggregation/Regeneration – Combine multiple network links or channels into one stream or send copies to multiple tools to share data sources

• SNMP, SYSLOG and email notification mechanisms

• Radius, TACACS+ authentications

• Redundant power sources and fans

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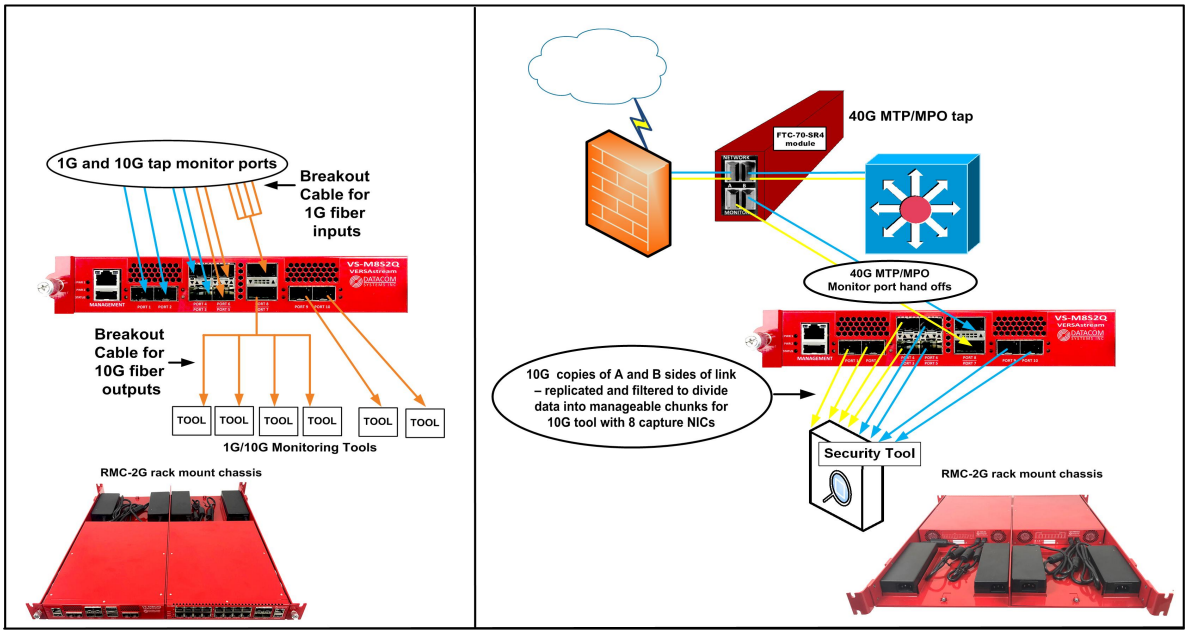

Technical Specifications

Ports
Any-to-Any Ports:
Eight (8) SFP+ and two (2) QSFP ports OR
Sixteen (16) SFP+ ports via use of breakout cables

Management Port: RJ45
Console Port: USB Device Mode

Dimensions(HxWxD)
1.5 x 8.3 x 12.5 in (3.81 x 21.08 x 31.75 cm)

Weight: 4.75 lbs (2.2 Kg)

Environmental

Operating Temperature: 32ºF to 131ºF (0ºC to 55ºC)
Storage Temperature: -22ºF to 149ºF (-30ºC to 65ºC)
Humidity: 5% to 95% non-condensing

Power Requirements:
Two (2) External AC Adapters Redundant Hot Swappable Power Supplies (Included)
Individual Power Supply Rating: 100-240V 50-60Hz 1.3A Maximum Power Consumption: 60 Watts or less

Safety: CB IEC 62368-1

Emissions: FCC, EN, ICES-003

Standards:
FCC 47CFR PT 15 SPT B:2017
ICES-003 Issue 6:2016
CENELEC EN 55032:2012

Certifications: CE, RoHS

Warranty
One Year Hardware and Software support included.
Premium Support option available

Filtering
IPv4 Address Sources and Destinations, Subnets MAC
Address Sources and Destinations
Ports
Ethertype
VLAN
IPv6 Address Sources and Destinations, Subnets

ORDER INFORMATION

Product	Description
VS-M8S2Q	Any-to-Any Ports: Eight (8) SFP+ and two (2) QSFP ports
SFP-RJ45	10/100/1000BT copper SFP transceiver module
SFP-RJ45-10G	10G copper SFP+ transceiver module
SFP+SR/SX	10G/1G SFP transceiver module (50 or 62.5 micron 300m)
SFP+ LR/LX	10G/1G SFP+ transceiver module (9 micron 10km)
SFP+DAC(2M)	10G SFP+ 2 meter direct attach passive cable
QSFP-40G-SR4	40G QSFP fiber transceiver (50 micron 150m)
QSFP-40G-LR4	40G QSFP fiber transceiver (50 micron 10Km)
QSFP+DAC(2M)	40G QSFP 2 meter direct attach passive cable
DRL-682-1M-R	MTP female to 4 LC Duplex UPC OM4 breakout (1m)
DRL-682-2M-R	MTP female to 4 LC Duplex UPC OM4 breakout (2m)
DRL-683-1M-R	MTP female to 4 LC Duplex UPC OS2 breakout cable (1m)
DRL-683-2M-R	MTP female to 4 LC Duplex UPC OS2 breakout cable (2m)

Other transceivers and DAC cable lengths available on request

RMC-2G	Rack mount chassis - fits two units into 1RU

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Find out more at
www.datacomsystems.com

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