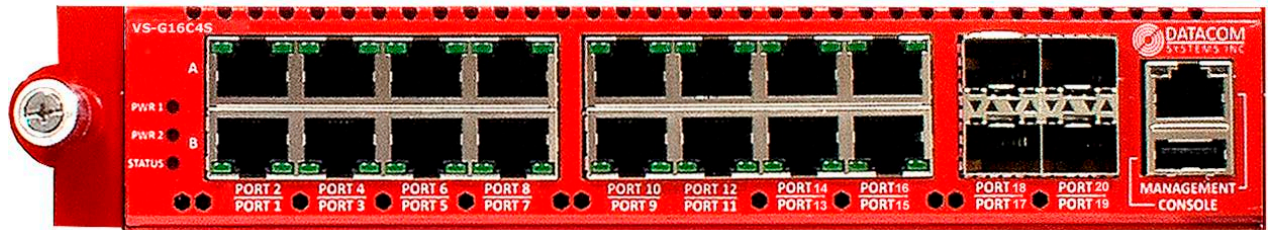




VERSAsystem™ VS-G16C4S

20 port 1G copper Network Packet Broker with 10G interconnects and high density mesh capability



Scalable, flexible, powerful and compact

The VERSAsystem VS-G16C4S Network Packet Broker is a compact and flexible solution for aggregating and distributing data from SPAN port and/or TAP sources, to monitoring tools. It provides 16 copper 10/100/1000 ports and four SFP+ ports (supporting 1G or 10G - copper or fiber.) The flexible design allows a nearly unlimited number of units to be deployed, with a self-discovery mesh network capable for single control and data plane. The SFP+ ports are used as 10G copper or fiber interconnects, or Monitor ports, and also support DAC (Direct Attach Cables.)

Data Filtering

Aggregating presents oversubscription and packet loss risk - even with 1G sources sent to 10G tools. Line-rate hardware based L2 to L4 filtering allows users to filter and select only specific traffic of interest.

Aggregation and Replication

Any-to-Any functionality allows aggregation to single tools, and replication to multiple tools. Any port may be used as an input or output. 10G interconnects minimize risk of packet loss between units when a mesh is deployed.

Load Balancing

Session based load balancing allows multiple Ingress ports to be equally distributed among multiple output ports. If any tool capture NIC fails, traffic is automatically redistributed among the remaining Egress ports.

Related Products

Other solutions based on this chassis include SINGLEstream models SS-G4C4S and SS-G8C4S, which tap 4 or 8 links respectively, as well as single, dual, and quad link bypass switches for protection of in-line tools. All of these products have identical mesh functionality, filtering capability, and load balancing.

sFlow Support

An 'sFlow Agent' can be configured to run on the VS-G16C4S. This agent samples the network traffic and creates sFlow datagrams. The sample datagrams are then sent to an 'sFlow Collector' elsewhere in the network. The Collector can send the data to an 'sFlow analyzer' The position of the VS-G16C4S as a central point through which data from multiple links is passing, makes it an optimal point for the 'sFlow Agent' to be enabled, thus sending sFlow datagrams from multiple network devices to the collector.

Optional IPFIX Support

The SINGLEstream VS-G16C4S can function as an IPFIX Observation Point, using the IPFIX Metering Process to collect data packets, optionally filters them and aggregates information about these packets. It also operates as an IPFIX Exporter to gather this and other Observation Points together into an Observation Domain. This information is then sent via the IPFIX protocol to a IPFIX Collector.

Highlights

- Consolidate tools for reduced cost
- Monitor 1G sources with 10G tools
- Share scarce SPAN and Tap monitor ports without maintenance windows
- No built in taps - Deploy tools right away without impacting your production network, simplifies change control

Features

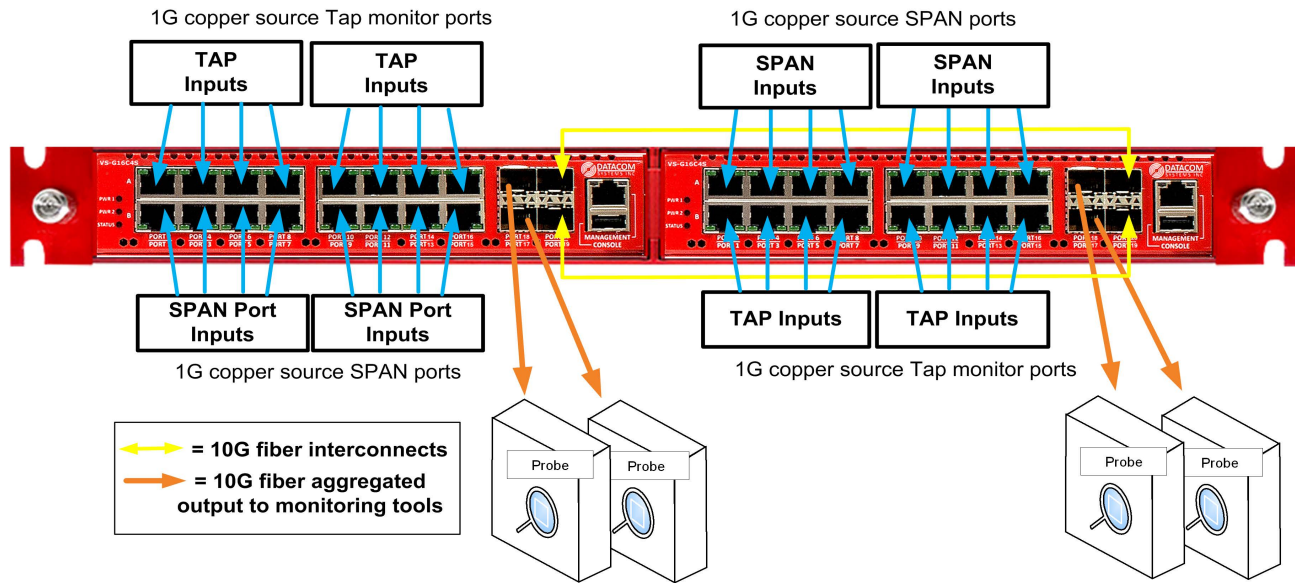
- Up to 32 10/100/1000 and 8 SFP + ports in 1RU (requires two units)
- SFP+ ports support 1G/10G fiber, 10/100/1000/10G copper, and DAC
- SFP+ ports support 1G/10G fiber, 10/100/1000/10G copper, and DAC
- Load Balance sessions across multiple outputs for monitoring redundancy
- Filter to reduce port oversubscription or tool throughput limitations
- Filter on – Ipv4 Src/Dst Address; MAC Address; Protocol, Port, and Ethertypes (e.g. MPLS, VLAN, Ipv6 Src/Dst Address)
- Aggregate multiple links or channels into one stream or replicate copies to multiple tools
- SNMP, SYSLOG and email notification mechanisms
- Radius, TACACS+ authentications
- Redundant power sources and fans
- Self-discovery mesh network capable for single control and data planes
- sFlow and IPFIX capable





VERSAstream™ VS-G16C4S

20 port 1G copper Network Packet Broker with 10G interconnects and high density mesh capability



- Redundant load sharing power supplies
- Compact design allows two units to be installed in a 1RU rack space
- Mesh feature allows scalability to any required port density
- Supports 10/100/1000 copper, as well as 1G and 10G copper and fiber
- Any-to-Any design allows ports to be used as inputs, outputs, or interconnects between units

Technical Specifications

Ports

Any-to-Any Ports: Sixteen (16) copper 10/100/1000 and four (4) SFP+ ports
 Management Port: RJ45
 Console Port: USB Device Mode

Dimensions (HxWxD)

1.58" x 8.25" x 11.93" (4.01 x 20.96 x 30.30 cm)

Weight: 4.75 lbs (2.2 Kg)

Environmental

Operating Temperature: 32°F to 131°F (0°C to 55°C)
 Storage Temperature: -22°F to 149°F (-30°C to 65°C)
 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

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-G16C4S	20 Port network packet broker w/sixteen (16) copper 10/100/1000 ports and four (4) SFP+ ports
SFP-RJ45	10/100/1000BT copper SFP transceiver module
SFP+ SR/SX	10G copper SFP+ transceiver module
SFP+ LR/LX	10G/1G SFP transceiver module (50 or 62.5 micron 300m)
SFP+ DAC(2M)	10G/1G SFP+ transceiver module (9 micron 10km)
	10G SFP+ 2 meter direct attach passive cable

Other transceivers and DAC cable lengths available on request

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

Certifications: CE, RoHS

Find out more at
www.datacomsystems.com

