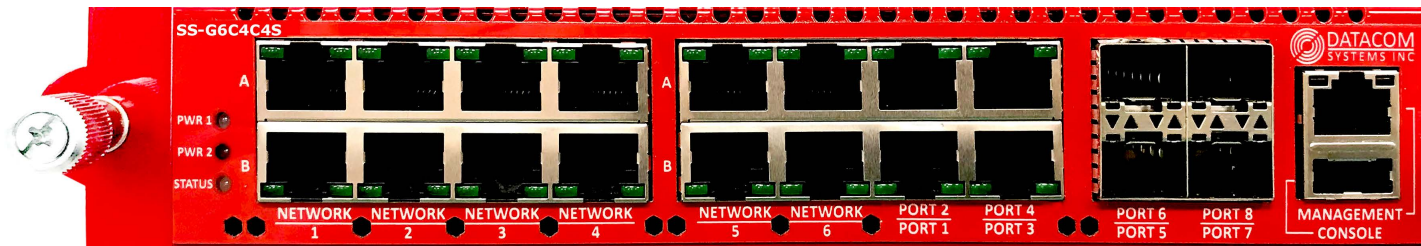




TM

# SINGLEstream SS-G6C4C4S

Compact Multi-link 100/1000 Copper tap with 10G interconnects and high density mesh capability



## Scalable, flexible, powerful and compact

The SINGLEstream SS-G6C4C4S multi-link copper tap is a compact and flexible solution for tapping, aggregating and distributing data from multiple sources, to monitoring tools. It is a multi-link tap capable of tapping 6 copper 10/100/1000 links, but the flexible mesh design allows a nearly unlimited number of units to be deployed as a single logical entity of higher port density. The SFP+ ports may be used as 10G copper or fiber interconnects, can serve as additional monitor ports, and 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 monitor port may be used as an input or output. The 10G interconnects minimize risk of packet loss between units when a mesh configuration 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

This product is also available as the 4 link tap SS-G4C4S, and the 8 link tap SS-G8C4S. Other solutions based on this chassis include a 20 port Network Packet Broker with identical mesh functionality and filtering capability, and single, dual, and quad link bypass switches for protection of in-line tools.

## sFlow Support

An 'sFlow Agent' can be configured to run on the SS-G6C4C4S. 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 SS-G6C4C4S 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 SS-G6C4C4S 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 to reduce management expenses and lower tool costs
- Monitor multiple 10/100/1000 copper links simultaneously for more efficient use of 1G/10G monitoring tools
- Fault tolerant - passive bypass feature

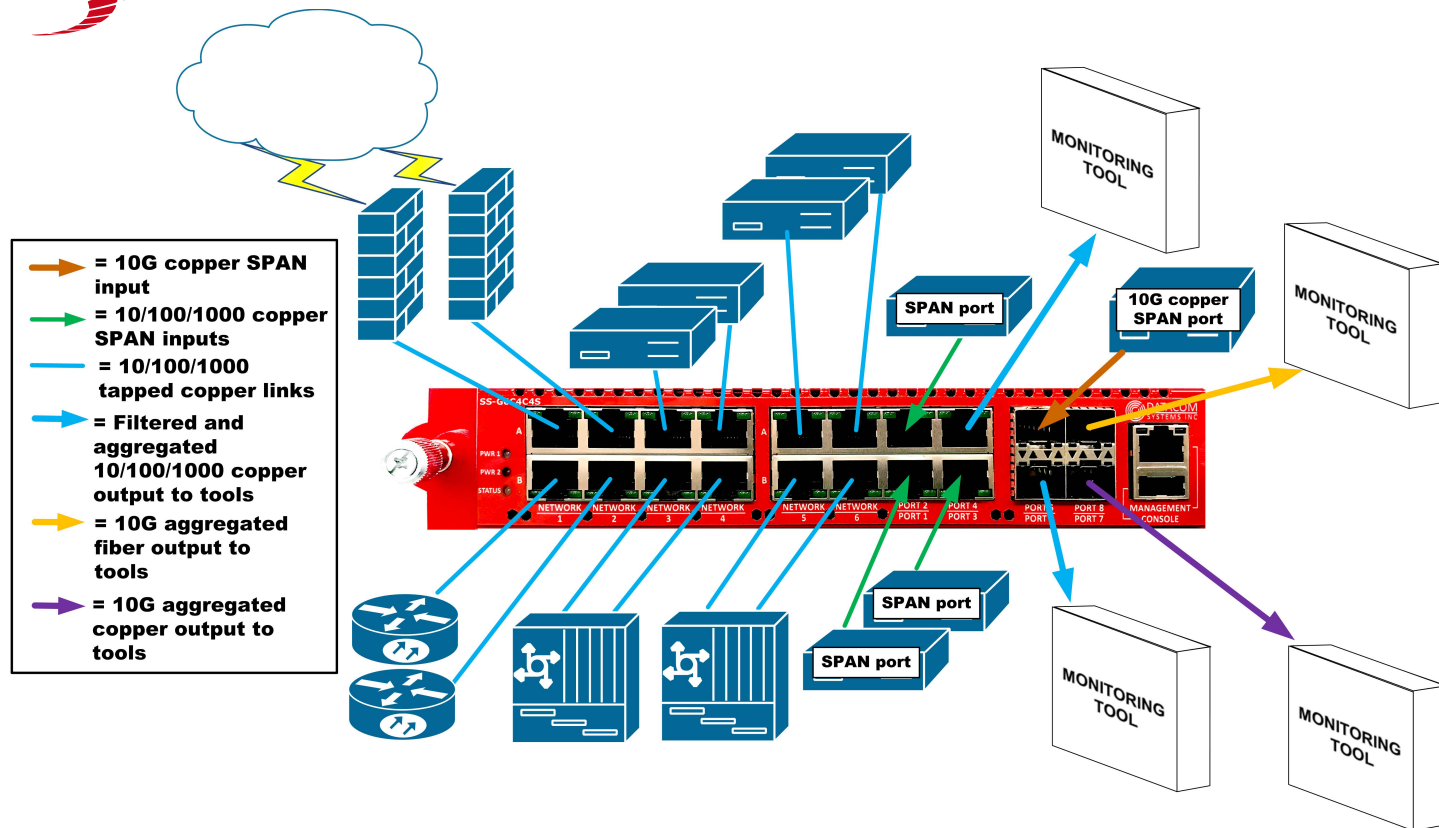
## FEATURES

- Tap up to twelve 10/100/1000 copper links in 1RU (requires two units)
- 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 or eliminate 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 network 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





# SINGLStream<sup>TM</sup> SS-G6C4C4S



## Technical Specifications

### Ports

Six copper taps (2 ports per tap,) four (4) copper 10/100/1000-BT and four (4) SFP+ Any-to-Any 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

**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

SS-G6C4C4S

SFP-RJ45  
SFP-RJ45-10G  
SFP+SR/SX  
SFP+ LR/LX  
SFP+DAC(2M)

### Description

Six copper taps (2 ports per tap,) four (4) copper 10/100/1000-BT and four (4) SFP+ Any-to-Any ports  
10/100/1000-BT copper SFP transceiver module  
10G copper SFP+ transceiver module  
10G/1G SFP transceiver module (50 or 62.5 micron 300m)  
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