

VERSAstream™ Series

12/24 Port Any-to-Any Switch with Load Balancing and Packet Filtering

Purpose Built for Monitoring

The VERSAstream connects out-of-band copies of traffic to monitoring tools. It can perform a variety of functions to prepare the traffic to better suit the attached tools. This allows the devices on a network to continue to do their job uninterrupted, while the VERSAstream manages monitoring appliances.

Out-of-Band

The VERSAstream stays out-of-band and only processes copies of network traffic. This means that the connected monitoring devices are not accessible through the network, adding an extra layer of security. Since it is out-of-band, configurations modifications to the VERSAstream do not affect traffic passing over the network. This simplifies the process of setting up monitoring solutions.

Tested at Full Line Rate

VERSAstream has been tested to pass traffic at line rate out of every port.

Data Filtering

Traffic can be filtered based on one or many sets of criteria. This can eliminate port oversubscription and increase the efficiency of the tools that are receiving the traffic. As a result, tools run faster and issues are resolved quicker.

Regeneration (Any-to-Many)

One copy of traffic can be broadcast to many different monitoring tools. This will provide redundancy and can be used in applications where the same traffic needs to be monitored by more than one tool.

10G and 1G Conversion

The VERSAstream can receive 10G traffic and convert it to 1G. This allows a 1G tool to watch a 10G link. Through the use of load balancing or filtering, a 1G monitor can inspect a user designated section of traffic passing over a 10G link. Because of this ability to convert, 10G and 1G inputs can be combined and sent out a single output.

Load Balancing

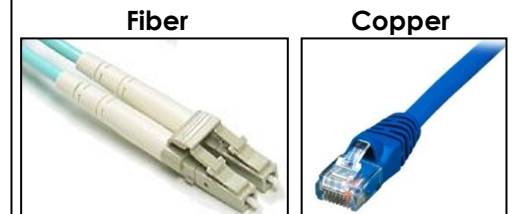
Incoming traffic can be load balanced out a set of output ports. This will split the incoming traffic into smaller segments for each monitoring tool. This provides a solution for 1G monitoring tools to be used to monitor a 10G link. This can make lower speed monitoring tools remain a sufficient solution as network traffic increases.

Filtering Options:

- 🌀 Source/Destination IPv4 Address
- 🌀 Source/Destination MAC Address
- 🌀 Protocol
- 🌀 Source/Destination Port
- 🌀 EtherType
- 🌀 VLAN
- 🌀 Source/Destination IPv6 Address



Media Conversion:



| Model | 1G Only Ports | 10G/1G Ports |
|-----------|---------------|--------------|
| VS-1012-F | 12 | 0 |
| VS-1112-F | 4 | 8 |
| VS-1212-F | 0 | 12 |
| VS-1024-F | 24 | 0 |
| VS-1124-F | 8 | 16 |
| VS-1224-F | 0 | 24 |



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