

Selecting the Right VERSAstream™ Product

VERSAstream™ is a Data Access Switch, an out-of-band traffic capture device. VERSAstream models range from four (4) to twenty four (24) ports allowing you to connect multiple tools.

Selecting the Right Media Type (some examples)

- If required, many Datacom Systems products have SFP+, SFP or XFP Ports that can allow you to connect tools to networks even if both media types are different:
- 1Gb Fiber available for multi mode and single mode cable: Model SFP-SR, SFP-LR
- 10Gb Fiber SFP+ modules available. Models SFP+-SR, SFP+-LR
- 1Gb copper modules. SFP-RJ45
- 10Gb Fiber XFP modules available. Models XFP-SR, XFP-LR

Data Access Switches are out-of-band traffic capture devices collect information from SPAN ports or Port Mirrors. They can also receive traffic from Network TAPs (test access ports)

- Use VERSAstream Data Access Switches when:
 - You want to collect information from SPAN or Port Mirrors
 - Your budget is limited, and you need to aggregate many SPANs into a single connection into a probe
 - You want to separate aggregation and regeneration functions from a TAP
 - You need to change link speed going into a probe or analyzer
 - You have a limited number of SPAN ports and need to make multiple copies of data
 - Some other uses for VERSAstream Data Access switches:
 - You need to monitor both directions of full duplex transmissions but your monitoring tool only has one NIC (full duplex aggregation)
 - You need to monitor aggregated* or non-aggregated** traffic

from one link with multiple tools (regeneration)

- You need to monitor aggregated or non-aggregated traffic from multiple links with one tool (link aggregation)
- The number of links you need to monitor exceeds the number of tools you have available (link aggregation)
- Your network links and tools are not the same made up of various media types (media conversion)

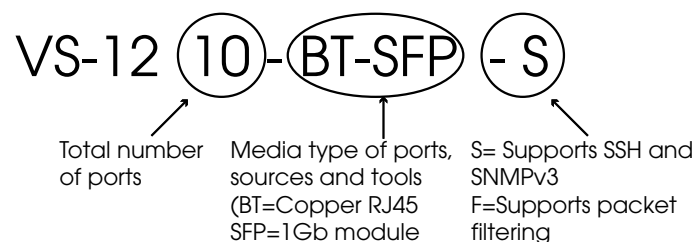
The sum of aggregated traffic from all network links should not exceed 100% of the monitoring port bandwidth

** Most VERSAstream™ models can be configured to perform aggregation and/or function

Receive Input from SPAN Ports.

The ports on the VERSAstream Data Access Switch are "any-to-any ports", so they can be configured as either inputs (i.e. receive traffic from SPAN port or external taps) or outputs (i.e. send traffic to a tool). All VERSAstream models* have from two (4) to twenty four (24) any-to-any ports, so they can function as both in-line and out-of-band devices, allowing you to tap links and monitor SPAN traffic at the same time with as little as one device.

Deciphering the VERSAstream™ Product Code



Examples:

4 - 10/100/1000 ports: VS-1204BT-BT-S

12 - Mix of single mode and multi mode fiber 10Gb and 1Gb links - various media tools: VS-1212-F

8 - 10/100/1000 1Gb copper (RJ45) ports, some SPAN inputs with 10/100/1000 tools: VS-1208BT-S

8 - 10/100/1000 1Gb copper (RJ45) ports, need 2 fiber ports, some SPAN inputs with output to remote fiber connected tools: VS-1210BT/SFP-S