

# VS-104 FASTstart Guide

## What is included?

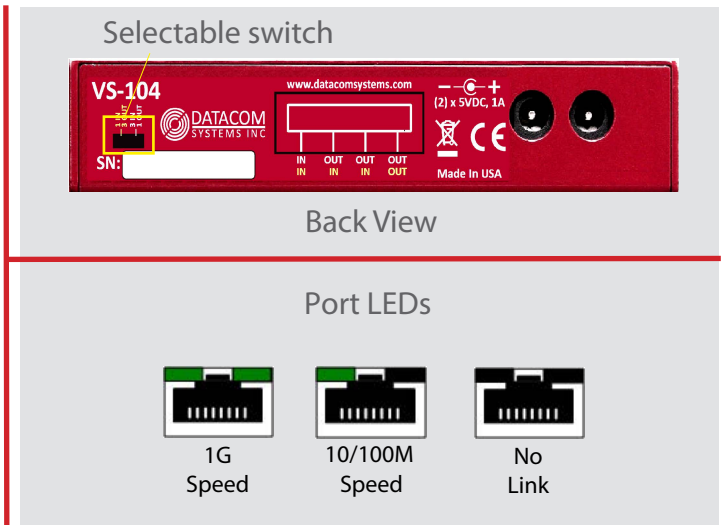
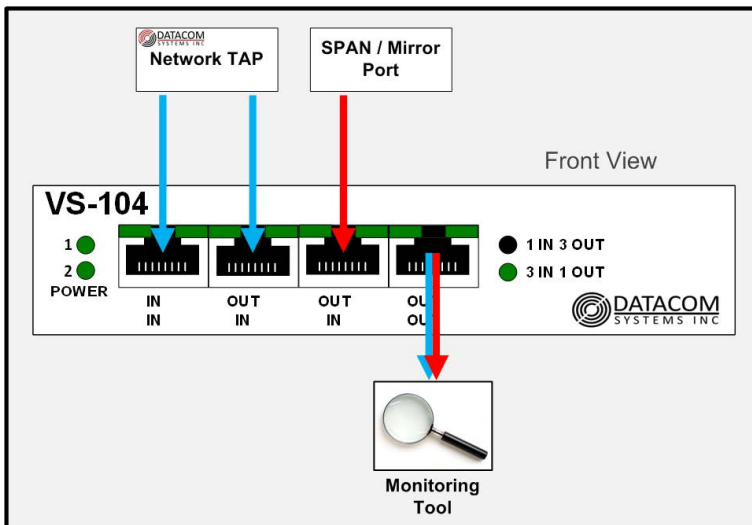
- (1) VS-104 (incl. mounting bracket for use with optional: RMC-3 or RMC 12-3)
- (2) Power Supplies, Universal can be used worldwide
- (2) AC Power Cables (connector, in most cases, matches the country where the product is shipped)
- (1) Download Card (tells where to download more product information)

The VS-104 Network Packet Broker from Datacom Systems can either be used to aggregate multiple copies of traffic together for a single monitoring tool or replicate traffic for multiple monitoring tools. In our example below, we show the output from a tapped link being combined with the output from a SPAN port.

**Installation** The ports on the VS-104 are used to connect to different devices based on the position of the dip switch on the back of the unit.

**1 IN 3 OUT:** In this mode, the port 1 is connected to a location on the network that is making a copies of traffic like a SPAN, Mirror, or Tap monitoring port. Ports 2-4 generate copies of this traffic and connect to separate monitoring tools. Each tool receives a full copy of the traffic.

**3 IN 1 OUT:** In this mode, the ports 1-3 are connected to locations on the network that are making copies of traffic, like SPAN, Mirror, or Tap monitoring ports. Port 4 is connects to the monitoring tool that needs access to the aggregate traffic.



A convenient switch on the back of the tap can be used to toggle between each mode. When set to "1 IN 3 OUT", Ports 2, 3, and 4 will transmit the traffic being received on port 1. When the device is set to "3 IN 1 OUT" mode, Port 4 will transmit a copy of all traffic received on ports 1, 2, and 3.

## Additional Features

- The VS-104 includes dual redundant power supplies. The Tap will remain powered even if one power supply fails. It's recommended that each power supply is connected to a separate circuit breaker to minimize the risk of power loss.
- The VS-104 supports passing Power-Over-Ethernet (POE) on all ports.
- Supports frame sizes up to 10,240 bytes

## Installation Notes

- Before setting the VS-104 to "3 IN 1 OUT" mode, it is important to consider the link utilization on the ports 1, 2, and 3. If the combined traffic over these ports exceed the speed of the monitoring devices, loss of traffic through the VS-104 ports will occur.
- All ports on the VS-104 are set to AUTO speed negotiation. If these ports are connected to devices with manual speed settings, confirm that the devices on either side of the tap are at the same speed. For optimal results set all devices to AUTO speed negotiation
- It's recommended that the endpoint devices connected to each are capable of the same maximum speed. Oversubscription may occur if the speeds are mismatched.
- MDI-X may need to be turned off on some devices connected to the VS-104 for proper communication
- Power supplies should be connected to outlets with different circuit breakers to maintain maximum uptime
- The maximum cable length between network devices should be 180m
- Rack mounts (RMC-3 or RMC 12-3) are available separately to mount 3 units horizontally or 12 units vertically

Find out more. Visit  
[www.datacomsystems.com](http://www.datacomsystems.com)

For More information

Customer Service is available from our website: [www.datacomsystems.com](http://www.datacomsystems.com) or by calling +1 315 463 9541