



Network Critical

The Window to your Network™

10 Gigabit V-Line™ Bypass TAP Solution

Do you need to *monitor the health of your network appliance?*

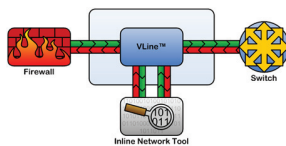
Do you need *remote access?*

Would you like to switch from *TAP mode to In-Line mode?*

The 10 Gigabit V-Line™ provides fail-safe protection for networks where inline appliances are in use. Combining the modularity of the Smart Network Access System and proven V-Line™ technology, the 10GB V-Line™ can detect the health of inline appliances and bypass them if necessary, to maintain 100% network availability.

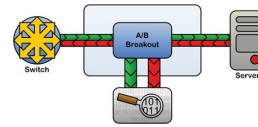


V-LINE (By-Pass)TAP MODE



Install In-Line Appliances with **NO RISK** of network downtime

BREAKOUT TAP MODE



Switch Between Breakout Tap mode and V-Line Tap mode with out effecting the link

CHARACTERISTICS

Employs Network Critical's Fail-Safe Technology

Exclusive V-Line (Bypass) *bi-directional* heartbeats

Exclusive V-Line (Bypass) design maintains link when TAP converts to Bypass mode

Each chassis holds up to 4 modules

Simple secure web interface

Chassis's available AC or DC powered

IMPROVED PERFORMANCE

Fail to safe on power loss or appliance failure guarantees network uptime

Continually monitors health of appliances and automatically reacts without dropping the link

Link remains up if the appliance fails or needs to be taken offline for maintenance

Consolidate your network monitoring while reducing rack space and power requirements

Easy to use interface reduces administration overhead and associated costs

A solution is available to meet all your power requirements

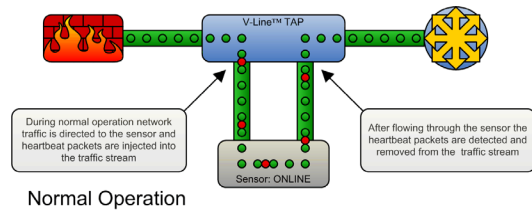
How do V-Line™ TAPs Work?

What is Bypass Mode?

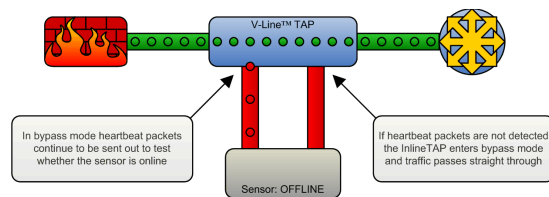
When a V-Line™ TAP is installed in place of an inline appliance, the V-Line™ TAP is able to continually check the status of the appliance and if it is online, will direct traffic through it. If the appliance goes offline for any reason, the V-Line™ TAP will automatically bypass the appliance and direct traffic straight through to the network. When the appliance comes back online, traffic is once again directed through the appliance.

How does the TAP detect if the appliance is online?

Heartbeat packets are injected into the traffic stream and are directed to the monitoring device. If the Heartbeat packets are not detected when the traffic is passed back through the V-Line™ TAP on their way back to the network, the TAP enters Bypass mode and bypasses the appliance. Heartbeats are configurable for maximum flexibility and Heartbeat packets are NEVER sent on to the live network.



Normal Operation



Bypass Operation

ORDER INFORMATION

SNAC1-AC-10GV	SmartNA 10Gigabit Virtually Inline 1U Chassis, 4 Slots, Dual AC Power
SNAC1-DC-10GV	SmartNA 10Gigabit Virtually Inline 1U Chassis, 4 Slots, Dual DC Power
SNAM-10GSR-V	SmartNA 10 Gigabit Virtually Inline TAP module-50µ Multi-mode 10GB SR Fiber with (2) SFP+ cages and (2) SR SPF+ modules
SNAM-10GLR-V	SmartNA 10 Gigabit Virtually Inline TAP module- 9µ Single-mode 10GB LR Fiber with (2) SFP+ cages and (2) LR SPF+ modules
SNAM-10GER-V	SmartNA 10 Gigabit Virtually Inline TAP module- 9µ Single-mode 10GB ER Fiber with (2) SFP+ cages and (2) ER SPF+ modules

TECHNICAL SPECIFICATIONS

# of Module Slots	4
Dimensions (W x H x D)	444mm x 339.3mm x 44mm (17.48" x 13.358" x 1.732")
Weight	4.5kg/9.9 lbs
Operating Temperature	0°C - 50°C (32°F - 122°F)
Operating Relative Humidity	0% - 90%, non-condensing
Storage Temperature	-20°C - 65°C (-4°F - 149°F)
Voltage Input (SNAC-AC-10GV)	100-120/200-240VAC 50/60Hz
Power Consumption (SNAC-AC-10GV)	5/2.5 A
Voltage Input (SNAC-DC-10GV)	-75 - -36 VDC
Power Consumption (SNAC-DC-10GV)	160W
Mean Time Before Failure	>150,000 hours

EUROPEAN HEADQUARTERS:

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