

# Data Diode SPAN TAP

Secure SPAN Links with Hardware-enforced Perimeter Protection



Maintain network integrity for industrial network monitoring without exposing additional risk from remote attacks, DDoS attacks, malware, ransomware from external networks.

Data Diodes SPAN TAPs provide network traffic for out-of-band monitoring, specifically designed not to send traffic back onto the network. These purpose-built network hardware devices enforce one-way data flow for SPAN links with physical hardware separation, guaranteeing protection of critical digital systems, such as industrial control systems (ICS), from inbound cyber threats.

Data diodes can be found most commonly in high security environments, such as federal defense and critical infrastructure, where they serve as connections between two or more networks of differing security classifications. This technology can be found at the industrial control level for such facilities as nuclear power plants, power generation and safety critical systems like railway networks.

## Key Features •







- Maintain network integrity for industrial network monitoring without exposing additional risk
- Protect the source of data streams like switch SPAN ports between network segments that have different security requirements
- Supports regeneration / SPAN mode
- Physical hardware separation guarantees unidirectional traffic between network segments
- Supports 10/100/1000M (1G)
- 100% secure and invisible; no IP address, no MAC address; cannot be hacked
- Plug & Play easy installation, no configuration
- DIN Rail mount and Industrial accessories available
- Made, tested and supported in the USA

## APPLICATIONS

- Unidirectional Network & Application Monitoring
- Unidirectional Network & Application Analysis
- Unidirectional Network & Application Performance
- Ideal for securing SPAN links

## SOLUTIONS:

Data Diode SPAN TAPs are ideal for:

-  Intrusion Detection Systems
-  Application Performance Monitoring
-  Packet Capture
-  Deep Packet Inspection
-  Network Analyzer
-  Forensics

## Competitive Edge •

- Hardware-based unidirectional plug & play visibility
- Rugged steel design
- Tested and Certified



## Have Questions?

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Design-IT Demo  
[garlandtechnology.com/design-it](http://garlandtechnology.com/design-it)

# Data Diode SPAN TAP

10/100/1000M (1G) | Portable | Data Diode

Model #	Network Speed	Network	Monitor	Data Diode	Flow	Breakout	Aggregation	Regeneration
RMP-1U				1U Rack Mount Kit - Hold up to 4 Portable TAPs				
Model# + DIN_MOUNT				Select the Garland Technology portable network TAP model # and add "DIN_MOUNT." e.g., P1GCCFEDIN_MOUNT				
CTAP-P1GCCREG	10/100/1000M (1G)	2 Copper RJ45	2 Copper RJ45	Yes	Dual	No	No	Yes
P1GCCAS-Custom	10/100/1000M (1G)	2 Copper RJ45	2 Copper RJ45	Yes	Single	No	No	Yes
INT10G10SP1	1/10G	(10) SFP+	-	Yes	Dual 1x4	No	No	Yes

## Additional Specifications

**Dimensions** (HxWxD): 1.15" x 3.9" x 6.5"

(29.21mm x 99.06mm x 165.10mm)

**Weight:** 0.7 lbs (0.3175 kg)

**Ambient Temperature:** 0C to +40C / +32F to +104F

**Storage Temperature:** -20C to +70C / -4F to +158F

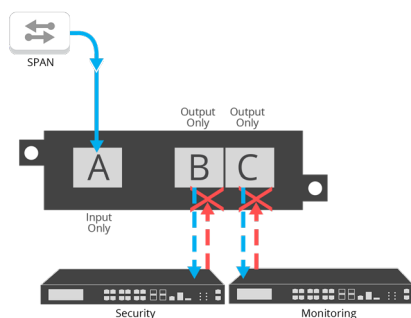
**Voltage:** 5VDC

**Current (nominal):** 1.6 Amps

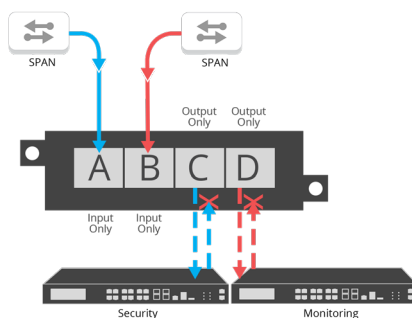
**Maximum consumption:** 8 Watts

**Humidity:** 90% non-condensing

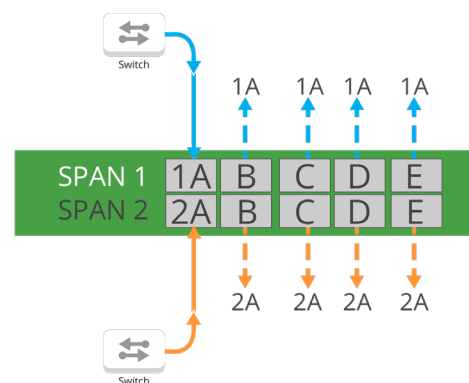
## Network Flow



Data Diode SPAN TAP Single Flow



Data Diode SPAN TAP Dual Flow



Data Diode SPAN TAP Dual 1x4 Flow