

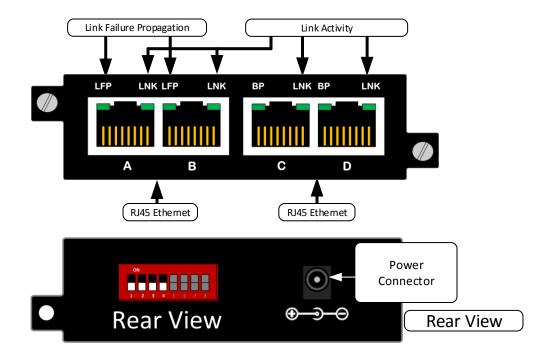
### P1GXXAS

# Portable Tap Installation Guide

See every bit, byte, and packet®

This portable network TAP series is ideal for 10/100/1000MB copper network monitoring. The innovative design allows these TAPs to be easily installed into any copper 10/100/1000MB network segment.

Once installed in your network the P1GXXAS network TAPs will enable you to monitor your network segments quickly and effectively using a network analyzer, security devices, or any monitoring appliance or tool. These 100/1000MB TAPs will allow you to capture full-duplex traffic without dropping any packets or, in the SPAN Mode the input traffic to be replicated to up to 3 monitor ports.





### **P1GXXAS TAP Key Features**

- Supports Breakout, Aggregation and SPAN Modes
- Copper media connectivity
- Plug-n-Play design with zero configuration
- Link Speed Synchronization
- Jumbo Frames
- Passes physical layer errors on network ports
- Supports Link Failure Propagation (LFP)
- Monitor Port Speed selectable (100Mbps or 1Gbps)

- Supports FailSafe in case of power failure.
- Captures Full Duplex Traffic up to 2 Gigabits without dropping any packets
- Small portable form factor: 3.9"x1.15"x6.53" (W x H x D)
- Rack Shelf or Plate supports up to four (4) TAPs in a 1U space

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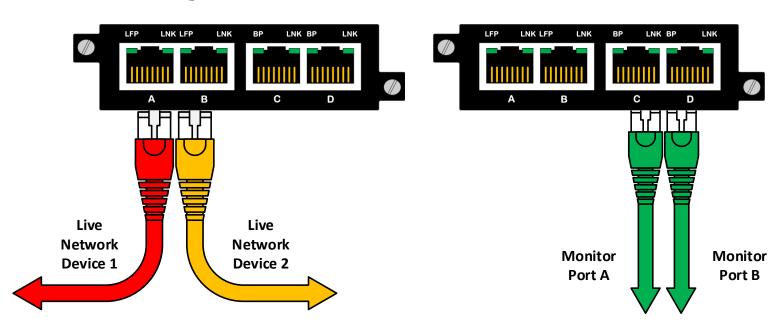
### P1GXXAS

Portable Tap
Installation Guide (cont)

## To deploy the P1GXXAS Portable Tap into your network, simply:

- Unpack the device and attach it to an optional rack mount bracket (sold separately)
- Install the P1GCCAS assembly into any available 1U slot of a network rack and secure it with rack mount screws.
- Utilizing the DIP switches (located on the reverse side of the unit, next to the power input)
  configure the P1GXXAS for the operating mode of your choice (see next page) Install network TAP
  into the live network. THIS STEP NEEDS TO BE DONE WITH NO POWER CONNECTED TO THE TAP
- Using standard Ethernet cables, connect ports [A] and [B] (Auto MDIX) of the P1GXXAS between
  the two live network devices where monitoring is desired. Verify network traffic is flowing,
  confirming that network cabling is correct.
- Connect ports [C] and [D] (Auto MDIX) to the monitoring tools for traditional traffic monitoring (SPAN mode may also be used for regenerating outputs).
- Connect the power supply to the P1GXXAS and plug it in to an available power source.
- **Note:** Other operating modes are available for monitoring and may be configured using the provided DIP switches. Using SPAN or regeneration mode on fiber models may require both [A] and [B] ports to be connected to obtain link on port [A] or [B].
- The "**BP**" LED serves no purpose on this model.
- Anytime the configuration switches are changed the user must remove and then re-apply power for the changes to take effect.

### **Network Cabling:**



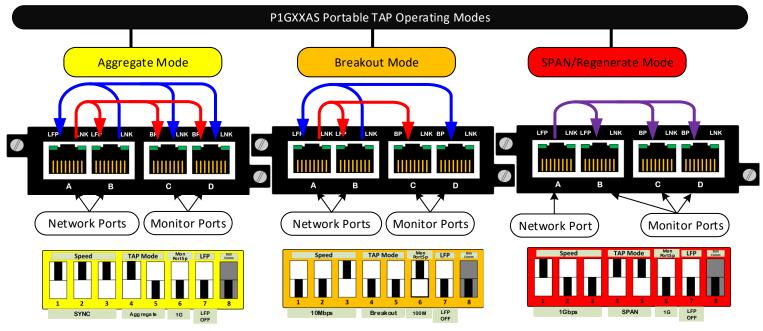


### P1GXXAS

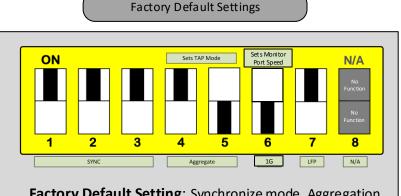
# Portable Tap Installation Guide (cont)

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### **Configuration Examples**



Black indicates the position of the switch
UP is on and DOWN is off



**Factory Default Setting**: Synchronize mode, Aggregation Mode, Monitor Port Speed 1Gbps and LFP ON

# LEFP LINK LEFP LINK BP LINK BP LINK A B C D Network Ports Monitor Ports

Network Failsafe

### **Definitions**

AGG or A (Aggregation): Combines Data Flows

BRE or B (Breakout): Separates Data Flows

**LFP** (Link Failure Propagation): Allows link state to be mirrored to the adjacent live network interfaces.

**SPAN** or **S** or Regenerate: Allows users to multiply one or more inputs to one or more outputs.

SYNC (Synchronization) Allows link speed synchronization.

**N/A** (Not Applicable): The N/A DIP Switches have no effect on this product.



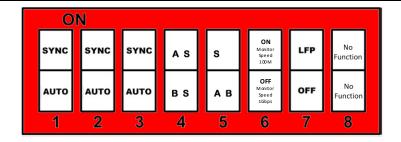
### **P1GXXAS**

# **Series Portable Tap Installation Guide (cont)**

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### **DIP switch Settings**

synchronize to	Switch 1 (Speed_1)  OFF  Dlogy's unique Sydetermine the high speed on all p	OFF Inchronization Mighest supported	network speed, d	lrop link across	all ports, and t	hen only advert	 	
Auto Neg 1G Full Duplex	ON	OFF	OFF	BRE	OFF	OFF	ON LFP ON	No Effect
Auto Neg 100M Full Duplex	OFF	ON	OFF	AGG	ON	OFF	<b>OFF</b> LFP OFF	No Effect
Forced 100M Full Duplex	ON	ON	OFF	SPAN	OFF	ON		No Effect
Auto Neg 10M Full Duplex	OFF	OFF	ON	SPAN	ON	ON		No Effect
Forced 10M Full Duplex	ON	OFF	ON					No Effect
Sync Mode	OFF	ON	ON					No
Sync Mode	ON	ON	ON					Effect



Portable 100/1000M Aggregating Tap: Two (2) Copper 100/1000M RJ-45 Tap Ports with two (2) Copper 100M or 1G RJ-45 Monitor

### **Ordering Information**

**P1GCCAS** 

	Ports*, single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode
P1GCSAS	Portable 100/1000M Aggregating TAP: Two (2) Copper 100/1000M RJ-45 Network Ports with two (2) SFP Monitor Ports*, single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode
P1GMCAS	Portable 1000M Aggregating Tap: Two (2) Multi-Mode Passive Fiber LC Tap Ports with two (2) Copper 100M or 1G RJ-45 Monitoring Ports*, single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode
P1GMSAS	Portable 1000M Aggregating Tap: Two (2) Multi-mode Passive Fiber LC Tap Ports with two (2) SFP Monitor Ports*, single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode
P1GSCAS	Portable 1000M Aggregating Tap: Two (2) Single Mode Passive Fiber LC Tap Ports with two (2) Copper 100M or RJ-45 Monitor Ports* single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode
P1GSSAS	Portable 1000M Aggregating Tap: Two (2) Single Mode Passive Fiber LC Tap Ports with two (2) SFP Monitor Ports*, single Power Supply supports Breakout Mode, Aggregation Mode, and SPAN Mode

Note \* Speed of Monitor Ports is controlled by DIP Sw 6 - ON = 100Mbps, OFF = 1Gbps

Four (4) Slot 1U Rack Mount Plate, holds up to four (4) Portable TAPs

RMP-1U