

OT Network Copper Breakout TAP

10/100/1000M Network TAP built for industrial networks.



As critical infrastructures contend with increasingly serious cybersecurity threats, the OT network TAP gives ICS / OT security specialists and engineers the capability to tap an OT network and send copies of network traffic to connected security tools. The OT network TAP is engineered specifically for tough industrial environments like manufacturing, transportation, utility, oil & gas, and more. It functions as promised in temperatures ranging from -40°F to 185°F. It can be snapped onto a DIN Rail, making any restrictive space a candidate for deploying a network TAP. A durable metal chassis protects the TAP for the life of deployment, and wired DC power prevents the TAP from losing power if encountering vibration. The OT network TAP enables visibility into legacy industrial control equipment. It provides added protections like physical hardware separation and no IP address, so it cannot be hacked. Best of all, there is no GUI to manage because the OT network TAP is configured via DIP switches on the back of the TAP. With the OT network TAP, OT network professionals can leverage an IT network best practice and steer clear of unreliable SPAN ports on switches.

RUGGED

- Tolerates extreme temps
- Durable metal chassis
- Wired DC power

VERSATILE

- Portable form factor
- Mount on a DIN Rail or 1U rack mount kit
- Configure via DIP Switches

USEFUL

- Full duplex copies with no packet loss
- Unidirectional traffic enforcement
- One mode: Breakout

CERTIFICATIONS

- TAA compliant
- RoHS3
- SVHC
- REACH
- Country of Origin: USA

Ordering Information

Product Name	Part #	Product Description
OT Network Copper Breakout TAP	P1GCCB-OT	Industrial Portable 10/100/1000M Breakout Tap: (2) Copper 10/100/1000M RJ-45 Tap Ports & (2) Copper 10/100/1000M RJ-45 Monitoring Ports, -40C to +85C, 9-36VDC

Deployment Benefits

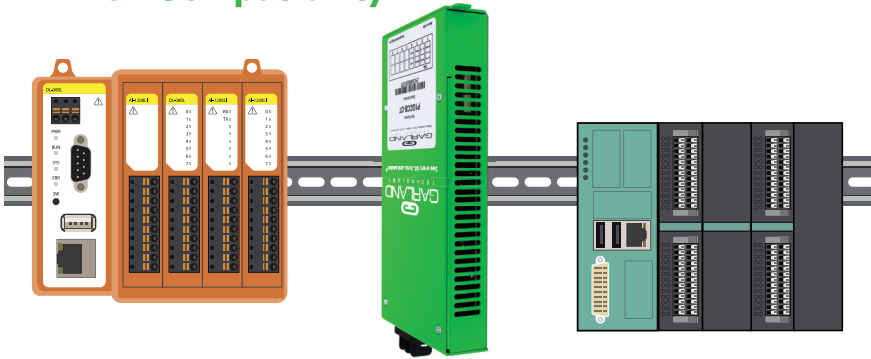
Network TAP

- Passes all network traffic between connected devices.
- Sends 100% full duplex copies of network packets to connected tools with no dropped packets.
- Breakout Mode - send each side of traffic to separate monitoring ports.
- Invisible to the network: no IP or MAC address.
- Data diode allows raw data to travel only in one direction in the TAP.

Use Cases

- Place TAP between 2 facilities or 2 network segments (e.g. industrial plant and SOC control center).
- Place TAP at Level 1 (Purdue model) with Intelligent Devices.
- Place TAP at Level 2 (Purdue model) with Control Systems.
- Place TAP at level 3 (Purdue model) with Operating Systems.
- Use TAP in place of a legacy OT Switch that is unconfigurable or deemed off-limits.
- Use TAP when the OT security tool cannot connect to a Switch SPAN port.

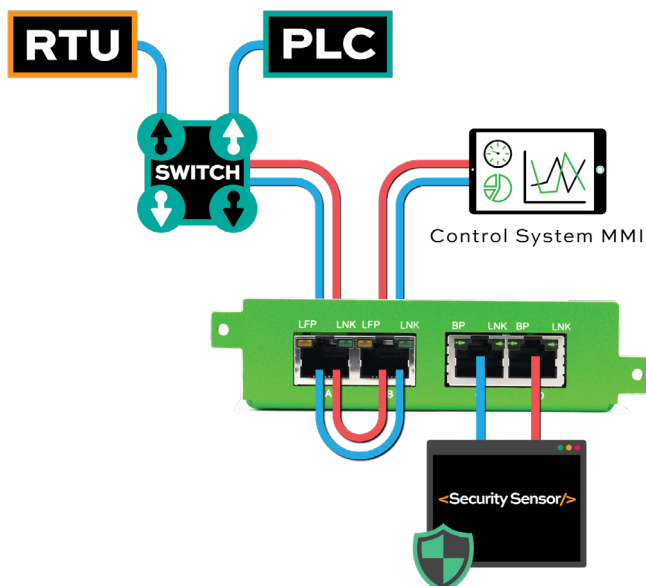
DIN Rail Compatibility



Place TAP next to:

- Terminal blocks
- Sensors
- Power supplies
- Circuit breakers
- Industrial automation components
- PLCs (programmable logic controller)
- RTUs (remote terminal unit)

Traffic Flow



HARDWARE KEY

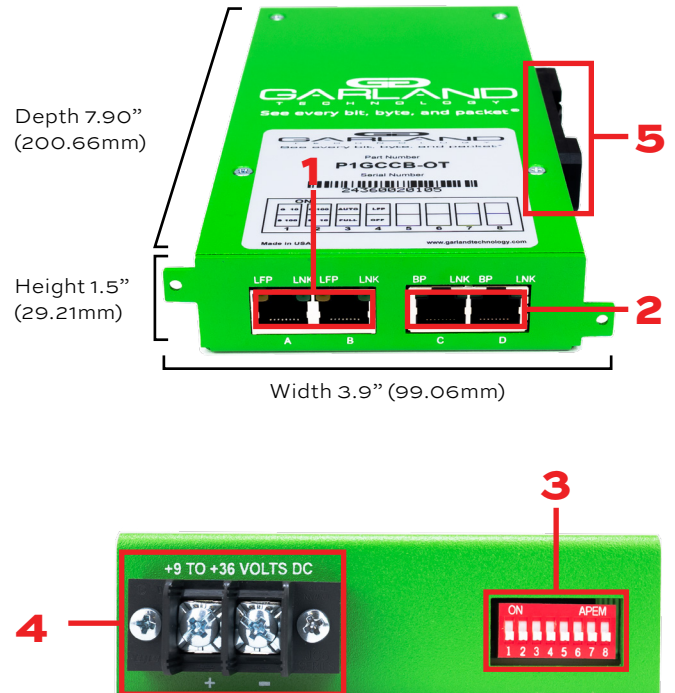
1. Two (2) Copper RJ45 Network Ports
 2. Two (2) Copper RJ45 Monitoring Ports
 3. DIP Switches 4. Wired DC Power 5. DIN Rail Mount*
- *DIN Rail Mount ordered separately. Fits standard 35mm DIN rail.

SPECIFICATIONS

- Network speed: 10/100/1000M
- Operating Temperature: -40°C to +85°C / -40°F to +185°F
- Ambient Temperature: -40°C to +85°C / -40°F to +185°F
- Operating Humidity: 90% non-condensing
- Voltage: 9-36VDC
- Current (nominal): 0.9A@9VDC
- Maximum consumption: 8 Watts
- Weight: 1.0 lbs (0.453 kg)

PACKAGE CONTENTS

- One (1) OT Network TAP
- Three (3) Screws (only 2 are needed to install in a Rack Mount kit; extra screw included)



Accessories

Part #	Product Description
DIN_MOUNT_V2	DIN RAIL Mount for P1GCCB_OT
RMP-1U	1U Rack Mount Kit – Hold up to 4 TAPs
RMS-1U-V2	1U Rack Shelf Mount Kid – Hold up to 4 TAPs

Warranty

Garland Technology's standard, manufacturer's warranty covers the first twelve months of product ownership. Extended Return to Factory (RTF) and Premium Technical Support (PTS) warranty plans are available for purchase for supplemental and/or additional coverage options in annual increments.

Design-IT Demo

Have a complimentary technical discussion about your network, goals, challenges, and upcoming projects with a Garland Technology Engineer. After the meeting, you will receive a professionally-designed solution diagram you can use to consider options with your colleagues.



Have Questions?

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