

Passive Optical Taps and Intelligent Managed Taps

APCONTAP® and INTELLATAP® provide passive and managed failsafe taps that simplify network monitoring connectivity.



Features

Enterprise-grade passive network taps

- Unpowered for 100% uptime
- Up to 16 ports 10G optic links
- Single Mode or Multimode Fiber
- Passes full duplex traffic transparently

Switch Managed Taps

- Failsafe design like passive taps
- Integrated switch connectivity
- Statistics, diagnostics and SNMP
- Reduces cabling

High Density Passive Ethernet Tap

APCONTAP supports common data center optical fiber standards, including 850nm 50µm and 62.5µm Multimode and 1310/1550nm 9µm Single Mode. Split ratios are available at 50/50, 60/40, and 70/30 in each optical fiber standard.

All fiber types use standard LC connectors, and support 1G or 10G traffic. The APCONTAP rack-mount chassis is available in ½RU size to hold four dual-Tap modules, or in a 1RU size to hold eight dual-Tap modules.

APCONTAP brings enterprise-class optical tapping to the APCON product family of intelligent network monitoring switches. APCONTAP requires no power and no configuration – simply install the Tap in line with your network links to begin passive monitoring. The failsafe APCONTAP serves 1G and 10G single mode or multimode fiber optic connections with 100% uptime.

Switch-Embedded Managed Tap

The INTELLATAP blade simplifies network monitoring and security efforts by providing managed Taps embedded into an APCON INTELLAPATCH Series 3000 chassis. This integrated failsafe design eliminates unnecessary cabling and connections, improving both reliability and security.

The INTELLATAP blade is a managed Tap offering statistics, diagnostics, and SNMP capabilities, while maintaining the failsafe characteristics of a passive Tap. Pass-through link connectivity is maintained at all times. With two fully functional INTELLAFLEX ports included, the INTELLATAP offers full packet aggregation, 10G to 1G rate conversion, port tagging and packet filtering capabilities.



APCONTAP Passive Optical Tap Specifications

| | |
|----------------------------|---|
| Description | 1RU chassis with up to eight APCONTAP modules |
| | ½RU chassis with up to four APCONTAP modules |
| Protocols | Protocol-independent. Supports Ethernet, SONET, SDH |
| Physical Interfaces | Standard LC connectors. Three connectors per Tap, two Taps per module |
| Optics | 850nm 50µm Multimode, 850nm 62.5µm Multimode, 1310/1550nm 9µm Single Mode |
| Split Ratios | 50/50, 60/40, 70/30 |
| Chassis | ACI-0500-001 – 1RU 8-Module APCONTAP Chassis |
| | ACI-0500-000 – ½RU 4-Module APCONTAP Chassis |

APCONTAP Passive Optical Tap Specifications

| Model # | Optical Fiber | Split Ratio | Pass Through Light Loss | Tap Light Loss |
|--------------|---------------------|-------------|-------------------------|----------------|
| ACI-0500-550 | 850nm 50µm MMF | 50/50 | -3.9 dB | -3.9 dB |
| ACI-0500-560 | 850nm 50µm MMF | 60/40 | -3.0 dB | -4.9 dB |
| ACI-0500-570 | 850nm 50µm MMF | 70/30 | -2.3 dB | -6.2 dB |
| ACI-0500-650 | 850nm 62.5µm MMF | 50/50 | -4.1 dB | -4.1 dB |
| ACI-0500-660 | 850nm 62.5µm MMF | 60/40 | -3.3 dB | -5.2 dB |
| ACI-0500-670 | 850nm 62.5µm MMF | 70/30 | -2.7 dB | -6.6 dB |
| ACI-0500-950 | 1310/1550nm 9µm SMF | 50/50 | -3.57 dB | -3.57 dB |
| ACI-0500-960 | 1310/1550nm 9µm SMF | 60/40 | -2.72 dB | -4.64 dB |
| ACI-0500-970 | 1310/1550nm 9µm SMF | 70/30 | -2.00 dB | -6.05 dB |

INTELLATAP Integrated Tapping Blade Specifications

| | |
|------------------------------|--|
| Protocols | 1 Gbps Ethernet, 10 Gbps Ethernet |
| Media Conversion | No |
| Rate Conversion | Yes (2 Aggregation Ports) |
| Physical Interfaces | LC Full Duplex (18) |
| Optical Ports Support | 1000BASE-SX, 1000BASE-LX, 10GBASE-SR, 10GBASE-LR |
| Optics | Multimode 50µm 50/50 Multimode 50µm 60/40 Multimode 50µm 70/30 |
| | Multimode 62.5µm 50/50 Multimode 62.5µm 60/40 Multimode 62.5µm 70/30 |
| | Single Mode 9µm 1310nm 50/50 Single Mode 9µm 1310nm 60/40 Single Mode 9µm 1310nm 70/30 |
| | Single Mode 9µm 1550nm 50/50 Single Mode 9µm 1550nm 60/40 Single Mode 9µm 1550nm 70/30 |
| Backplane Interfaces | 18 × 10GBASE-R |
| Chassis Supported | INTELLAPATCH® Series 3000 Chassis |
| Model # | ACI-3030-T09-1 |