Ixia Patch Tap

The Ixia family of fiber taps provide reliable continuous visibility into 100% of your network traffic to support performance and security with no network performance degradation or disruption. Ixia Flex Taps are flexible, modular, 100% passive, and pass all full-duplex traffic (including errors) from all seven layers.

The newest addition to our fiber taps is the Ixia Patch Tap— for use in your patch panels and fiber distribution frames. The Patch Tap has superior Insertion Loss specifications, bend insensitive fibers, innovative splitter technology, and a totally new deployment strategy.

The Patch Tap can be integrated into major manufacturers' patch panels, enabling passive tapping of your network while reducing rack space requirements and light loss budget.

The Patch Tap is available in Multimode and Single mode fiber, in the most common split ratios of 50/50 and 70/30, in speeds from 100G to 1G.

The design of the Patch Tap is optimized and tested for high-performance fiber networks. Flex Taps are deployed at any inline connection on the network, therefore no additional overhead or management burden is added to the network devices to copy traffic for the monitoring/security infrastructure.

The Patch Tap is compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection systems. The Patch Tap is network protocol agnostic.

Each Multimode Patch Tap is capable of 25G, 10G, and 1G speeds.

Each Single Mode Patch Tap is multi-speed from 100G through 1G.

Highlights

- For use in your patch panels and fiber distribution frames
- No exterior housing
- Single Mode fiber speeds of 100G/50G/40G/25G/10G/1G
- Multimode fiber speeds of 25G/10G/1G
- 50/50 and 70/30 split ratios
- Network protocol agnostic
- Short lead times (build to stock)
- Install directly into patch panels
- Lower rack space utilization
- Fewer fiber runs than modular taps
- Improved light loss budget

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Key Features:

- **Integrated** into the structured cabling systems
- **No additional segments in the channel link** – fits easily into most major manufacturer's patch panels
- **Fully Passive** – Monitoring infrastructure does not impact network availability, and reduces operating cost without adding management overhead
- **MACs** (Moves, Adds, Changes) won't disrupt live traffic
- **Patch panel vendor agnostic** – now you have a choice for integrated taps. No more sole source procurement

Operating Specifications

Multimode Specifications	
Operating	• Operating Temperature: 0° to 70°C • Storage Temperature: -40° to 85°C • Relative Humidity: 10% min, 95% max, non-condensing
Rack Mechanical	• Patch panels and fiber distribution frames
Tap Mechanical	• Total Length: 0.25m
Fiber Specs	• 50/125 µm; 850nm, Aqua jacket • OM4 bend insensitive fiber. • Supports speeds of 25G, 10G and 1G
Connectors	• Network Ports: 2 x Duplex LC/UPC-male • Monitoring Ports: 1 x Duplex LC/UPC-male
Insertion Loss (Network / Monitor Ports)	• 50/50 split ratio: 3.9 dB / 3.9 dB • 70/30 split ratio: 2.2 dB / 6.1 dB
Single Mode Specifications	
Operating	• Operating Temperature: 0° to 70°C • Storage Temperature: -40° to 85°C • Relative Humidity: 10% min, 95% max, non-condensing
Rack Mechanical	• Patch panels and fiber distribution frames
Tap Mechanical	• Total Length: 0.25m
Fiber Specs	• 8.5/125µm; 1310 nm, Yellow jacket • G.657.B3 bend insensitive fiber • Supports speeds of 100G, 50G, 40G, 25G, 10G, and 1G
Connectors	• Network Ports: 2 x Duplex LC/UPC-male • Monitoring Ports: 1 x Duplex LC/UPC-male
Insertion Loss (Network / Monitor Ports)	• 50/50 split ratio: 3.8 dB / 3.8 dB @ 1310 • 70/30 split ratio: 2.3 dB / 6.1 dB @ 1310

Ordering Information

Part Number	Description
TPPCH-10-SR-50-50	Ixia Patch Tap, Multimode Fiber, 25G/10G/1G, SR, OM4 bend insensitive, 50µm, LC/UPC-male connectors, 50/50 split ratio (955-0771) (TPPCH-10-SR-50-50). For use in patch panels and fiber distribution frames.
TPPCH-10-SR-50-70	Ixia Patch Tap, Multimode Fiber, 25G/10G/1G, SR, OM4 bend insensitive, 50µm, LC/UPC-male connectors, 70/30 split ratio (955-0772) (TPPCH-10-SR-50-70). For use in patch panels and fiber distribution frames.
TPPCH-100-LR-85-50	Ixia Patch Tap, Single Mode Fiber, 100G/50G/40G/25G/10G/1G, LR, G.657.B3 bend insensitive, 8.5µm, LC/UPC-male connectors, 50/50 split ratio (955-0773) (TPPCH-100-LR-85-50). For use in patch panels and fiber distribution frames.
TPPCH-100-LR-85-70	Ixia Patch Tap, Single Mode Fiber, 100G/50G/40G/25G/10G/1G, LR, G.657.B3 bend insensitive, 8.5µm, LC/UPC-male connectors, 70/30 split ratio (955-0774) (TPPCH-100-LR-85-70). For use in patch panels and fiber distribution frames.

Learn more at: www.keysight.com

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