

Ixia Net Optics 10G Regen Tap



Ixia Net Optics 10G Regen Taps solve the key physical layer challenges of multi-device monitoring for 10 Gigabit and gigabit networks. For a complete picture of network health, these taps connect up to eight different network management and security devices at any single network location.

Keep your intrusion detection and prevention systems, protocol analyzers, RMON probes, and other security devices productive with a single Regen Tap. Maximize resources and save on access points when multiple devices can monitor the same traffic simultaneously through a single Regen Tap.

These 10 GigaBit Regen Taps have SFP+ monitor ports so they can attach to monitoring equipment with any type of interface: singlemode fiber, multimode fiber, and copper. Just plug in the appropriate SFP+ transceiver modules for as many and whatever types of tools you want to connect. (1G SFP transceivers are not supported; the Regen Tap does not perform data rate conversion.)

Without an IP address, monitoring devices are isolated from the network, dramatically reducing their exposure to attacks. However, the monitoring device connected to the tap still sees all full-duplex traffic as if it were inline, including Layer 1 and Layer 2 errors.

For extra uptime protection, Ixia Net Optics Taps offer redundant power connections. Should the primary power source fail, the Tap automatically switches to the backup power source. Power LEDs on the front of the tap indicate the current power

Key Features

- Enables real-time monitoring of two switch SPAN ports or one Inline link
- Provides complete visibility at 1Gbps or 10Gbps without data stream interference or introducing a point of failure
- Passes all traffic—including errors—from all layers for comprehensive troubleshooting
- No IP address is needed for the Tap or monitoring device, enhancing security
- LED indicators show redundant power, speed, and link status
- Redundant power ensures monitoring uptime
- Front-mounted connectors support easy installation and operation
- SFP monitor ports enable flexibility on monitor tool interface
- Available in SPAN, Inline, and - L models
- No Y-cables, each half-duplex data stream has 8 monitor ports
- Compatible with all major manufacturers' monitoring devices, including protocol analyzers, probes, and intrusion detection systems



Electrical	
AC Power Supply Input	100-240VAC, 0.5A, 47-63Hz
DC Power Supply Input	-48VDC nominal, -36 to -72VDC, 1A
Power Consumption (max)	45W
Environmental	
Operating Temperature	0°C to 40°C
Relative Humidity	10% min, 95% max, non-condensing
Non-Operating	
Storage Temperature	-10°C to 70°C
Relative Humidity	10% min, 95% max, non-condensing
Mechanical	
Dimensions	1.75" high x 13" deep x 17" wide
Weight	5 lbs
Indicators	
<ul style="list-style-type: none"> • (2) Network Link LEDs • (2) Speed Indicator LEDs • (2) Power LEDs 	
Connectors	
Monitoring Ports	16 x SFP cages
Network Ports	2 x LC connectors
Fiber Optic Specifications	
Multimode	<ul style="list-style-type: none"> • Fiber Core: 50µm or 62.5µm • Wavelengths supported: 850nm • Split Ratios Available: 50/50, 70/30
Singlemode	<ul style="list-style-type: none"> • Fiber Core: 8.5µm • Wavelengths supported: 1310nm or 1550nm • Split Ratios Available: 50/50, 70/30
Certifications	
MET (UL), CE, FCC, VCCI, C-Tick, RoHS, WEEE, IEEE 802.3 compliant	

Product Ordering Information

Multimode 62.5µm

RG-830

Regen, 8x1, IL, Fiber, 1G, SX, 62.5µm, 50:50, SFP Ports

RG-833

Regen, 8x1, IL, Fiber, 1G, SX, 62.5µm, 70:30, SFP Ports

RG-835

Regen, 8x1, Span, Fiber, 1G, SX, 62.5µm, SFP Ports

RG-835-L

Regen, 8x1, Span, Fiber, 1G, SX, 62.5µm, SFP Ports, LB

RG-835-DC-L

Regen, 8x1, Span, Fiber, 1G, SX, 62.5µm, SFP Ports, DC, LB

RG-830X

Regen, 8x1, IL, Fiber, 10G, SR, 62.5µm, 50:50, SFP+ Ports

RG-833X

Regen, 8x1, IL, Fiber, 10G, SR, 62.5µm, 70:30, SFP+ Ports

RG-835X

Regen, 8x1, Span, Fiber, 10G, SR, 62.5µm, SFP+ Ports

RG-835X-L

Regen, 8x1, Span, Fiber, 10G, SR, 62.5µm, SFP+ Ports, LB

**Add -DC to the part number for the -48VDC model.*

Multimode 50µm

RG-840

Regen, 8x1, IL, Fiber, 1G, SX, 50µm, 50:50, SFP Ports

RG-843

Regen, 8x1, IL, Fiber, 1G, SX, 50µm, 70:30, SFP Ports

RG-845

Regen, 8x1, Span, Fiber, 1G, SX, 50µm, SFP Ports

**RG-845-L**

Regen, 8x1, Span, Fiber, 1G, SX, 50µm, SFP Ports, LB

RG-840X

Regen, 8x1, IL, Fiber, 10G, SR, 50µm, 50:50, SFP+ Ports

RG-843X

Regen, 8x1, IL, Fiber, 10G, SR, 50µm, 70:30, SFP+ Ports

RG-845X

Regen, 8x1, Span, Fiber, 10G, SR, 50µm, SFP+ Ports

RG-845X-L

Regen, 8x1, Span, Fiber, 10G, SR, 50µm, SFP+ Ports, LB

**Add -DC to the part number for the -48VDC model.*

Single Mode 8.5µm**RG-850**

Regen, 8x1, IL, Fiber, 1G, LX, 8.5µm, 50:50, SFP Ports

RG-853

Regen, 8x1, IL, Fiber, 1G, LX, 8.5µm, 70:30, SFP Ports

RG-855

Regen, 8x1, Span, Fiber, 1G, LX, 8.5µm, SFP Ports

RG-855-L

Regen, 8x1, Span, Fiber, 1G, LX, 8.5µm, SFP Ports, LB

RG-855-DC

Regen, 8x1, Span, Fiber, 1G, LX, 8.5µm, SFP Ports, DC

RG-855-DC-L

Regen, 8x1, Span, Fiber, 1G, LX, 8.5µm, SFP Ports, DC, LB

RG-850X

Regen, 8x1, IL, Fiber, 10G, LR, 8.5µm, 50:50, SFP+ Ports

RG-850X-DC

Regen, 8x1, IL, Fiber, 10G, LR, 8.5µm, 50:50, SFP+ Ports, DC

RG-853X

Regen, 8x1, IL, Fiber, 10G, LR, 8.5µm, 70:30, SFP+ Ports

**RG-853X-DC**

Regen, 8x1, IL, Fiber, 10G, LR, 8.5µm, 70:30, SFP+ Ports, DC

RG-855X

Regen, 8x1, Span, Fiber, 10G, LR, 8.5µm, SFP+ Ports

RG-855X-L

Regen, 8x1, Span, Fiber, 10G, LR, 8.5µm, SFP+ Ports, LB

RG-855X-DC

Regen, 8x1, Span, Fiber, 10G, LR, 8.5µm, SFP+ Ports, DC

RG-855X-DC-L

Regen, 8x1, Span, Fiber, 10G, LR, 8.5µm, SFP+ Ports, DC, LB

SFP+ or SFP modules are required for operation and are sold separately.

All products include a 1 year manufacturer's warranty. Service plans offering additional years of coverage including an advanced replacement option are available.