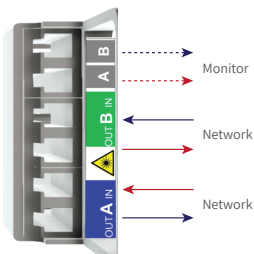


Network TAP Passive Fiber Optics

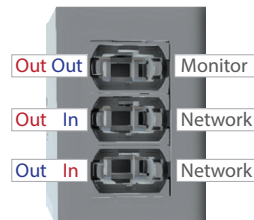
Niagara Networks modular passive fiber Terminal Access Points (TAPs) provide a permanent and cost effective solution to access traffic flowing across networks. They are ideal for security and network monitoring, performance analysis and other applications where multiple links need to be monitored.

The 3225 modular design can support up to 24 single width modules, 12 double width modules, or any combination of single and double width modules. Each module includes high performance couplers that split the stream according to the required split ratio between the network and the monitoring port.

They ensure a complete copy of your network's traffic reaches your security and monitoring tools with zero risk of packet loss. And because they're passive, they require no power, therefore maintaining permanent access without introducing a single point of failure.



LC Single With Module
detail of LC single width Tap module



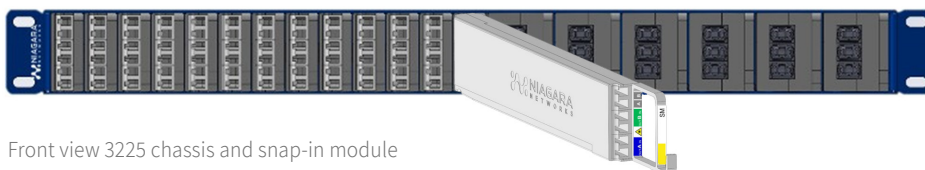
MPO Double Width Module
Detail of MPO double width Tap module

Product Highlights

- Supports high density, rate transparent 1Gb, 10Gb, 25G, 40Gb, 100Gb and 400Gb network speeds
- Alternative to SPAN ports - collects 100% of network traffic including error packet that SPANs may drop
- 100% secure and invisible, no IP address, no MAC address, it cannot be hacked
- Plug & play, no configuration, easy installation – fully photonic, no power source required
- Compact form factor – fully modular and flexible - up to 36 TAP links, dual fiber and single strand BiDi

Specifications

| | |
|--------------------|-------------------------------|
| Height (chassis) | 1.72in (47mm) |
| Length (chassis) | 9.12in (232mm) |
| Width (chassis) | 17.57in (446mm) |
| Operating Temp | -40 +185°F (-40 +85°C) |
| Operating Humidity | -5 to 85% RH (non-condensing) |
| Reliability | GR-1209-CORE, GR-1221-CORE |



Front view 3225 chassis and snap-in module

Ordering Information

| Part Number | Network | No of Taps | Module Width | Fibre Type | Wavelength (nm) | Connector / Mode | Split Ratio | Max Insertion Loss (db)** | |
|-------------------|--|------------|--------------|-------------------|------------------|-------------------|--------------------|---------------------------|---------|
| | | | | | | | | Network | Monitor |
| 3211-S-SR-50/50 | 1/10 Gb | 1 | Single | SR, SX | 850 ² | LC / Multi Mode | 50/50 ¹ | ≤4.3 | ≤4.3 |
| 3213-W-SR-50/50 | 1/10 Gb | 3 | Double | SR, SX | 850 ² | LC / Multi Mode | 50/50 ¹ | ≤4.3 | ≤4.3 |
| 3211-S-LR-50/50 | 1/10/40/100/400*Gb | 1 | Single | LR4, LR, LX | 1310, 1550 | LC / Single Mode | 50/50 ¹ | ≤4 | ≤4 |
| 3213-W-LR-50/50 | 1/10/40/100 Gb | 3 | Double | LR4, LR, LX | 1310, 1550 | LC / Single Mode | 50/50 ¹ | ≤4 | ≤4 |
| 3211-W-SR4-50/50 | 40/100 Gb | 1 | Double | SR4 ⁴ | 850 ² | MPO / Multi Mode | 50/50 ¹ | ≤4.6 | ≤4.6 |
| 3212-W-SR4-50/50 | 40/100 Gb | 2 | Double | SR4 ⁴ | 850 ² | MPO / Multi Mode | 50/50 ¹ | ≤4.6 | ≤4.6 |
| 3211-W-SR10-50/50 | 100 Gb | 1 | Double | SR10 ⁴ | 850 ² | MPO / Multi Mode | 50/50 ¹ | ≤4.6 | ≤4.6 |
| 3211-W-BDSR-50/50 | 40 Gb | 1 | Double | BiDi | 850 | LC / Multi Mode | 50/50 | ≤4.3 | ≤4.3 |
| 3211-W-PSM-50/50 | 40/100 Gb | 1 | Double | PSM ³ | 1310, 1550 | MPO / Single Mode | 50/50 | ≤4.2 | ≤4.2 |
| 3212-W-PSM-50/50 | 40/100 Gb | 2 | Double | PSM ³ | 1310, 1550 | MPO / Single Mode | 50/50 | ≤4.2 | ≤4.2 |
| 3225-PTC-2 | 1U rack chassis. High density passive fibre optical taps. Requires no power source to operate. Supports up to 24 single-width TAP modules or up to 12 dual-width modules providing up to 36 TAP links. | | | | | | | | |

* Single mode fiber supports all data rates up to 400Gb - requires compatibility of optical specifications and connectors

** Verify your available optical budget before deploying passive taps

¹ 90/10, 80/20, 70/30, 60/40 split ratios are available

² 1310nm is available

³ 90/10, 80/20, 70/30, 60/40 split ratios are available

⁴ 70/30, 60/40 split ratios are available. Other split ratios are available upon request

About Niagara Networks

Niagara Networks provides high performance network visibility solutions for seamless administration of security solutions, performance management and network monitoring. Niagara Networks products provide advantages in terms of network operation expenses, downtime, and total cost of ownership. A former division of Interface Masters, Niagara Networks provides all the building blocks for an advanced Visibility Adaptation Layer at all data rates up to 100Gb, including network Taps, bypass elements, packet brokers and a unified management layer.

For more information please visit us at www.niagaranetworks.com

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