

# USR4525, USR4526 GIGABIT FIBER TAPS

ETHERNET TAPS

**SINGLE-MODE/MULTI-MODE WITH 1 NETWORK AND 1 MONITOR CONNECTION**

The USR Gigabit Fiber TAPs provide an easy method to rapidly and effectively deploy analysis tools to observe and monitor traffic non-intrusively between two devices on a fiber network up to 100G. By design, fiber TAPs are totally passive, fault-tolerant, invisible to the network, with no power requirements so they will not affect network performance or integrity and can be trusted for permanent installations on a fiber network. These rock solid devices are ideal for real-time monitoring and analysis of full-duplex traffic between critical network devices such as switches, routers and firewalls and continue to pass errors that aren't seen using SPAN ports. Topology independent, the TAPs can be used for ATM, Gigabit, OC3-OC48, or SONET protocols and are available for both OS1-2 Single-mode and OM1-4 Multi-mode fiber networks.



**Permanent inline monitoring and analysis**

## *Monitoring & Analysis*

- Captures and delivers a copy of all traffic to any analysis tool
- 100% visibility into the network - including VLAN tags
- View all traffic on both sides of full-duplex links
- Reduces degradation of switch performance due to port mirroring
- View Layer 1 and 2 errors such as runts and CRC errors not seen when performing network monitoring using SPAN ports
- Full-duplex monitoring
- Best method to measure network link's performance
- Great for network analysis and troubleshooting, IDS and monitoring applications

## *Network Stability*

- Ideal for 24x7 permanent access - eliminating the need to connect tools each time a link needs to be monitored
- Non-intrusive way to connect a network tool
- Minimize traffic delay
- Fault-tolerant design

## *Secure & Reliable*

- Passive access means no interference of network traffic
- Invisible on the network - no IP address means additional security
- No single point of failure
- Network traffic will continue to pass uninterrupted

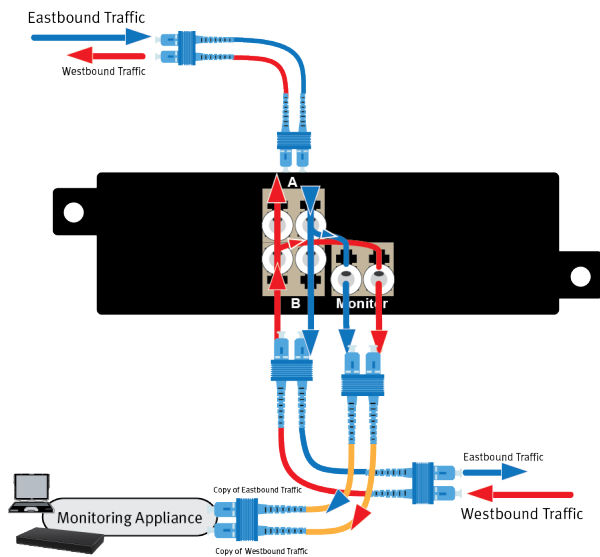
## *Excellent Compatibility*

- 50/50 split ratio
- Multi-mode model supports 1G, 10G, and 25G
- Single-mode model supports 1G, 10G, 25G, 40G and 100G
- Supports multiple topologies: Gigabit Ethernet, ATM, OC3-48, and SONET

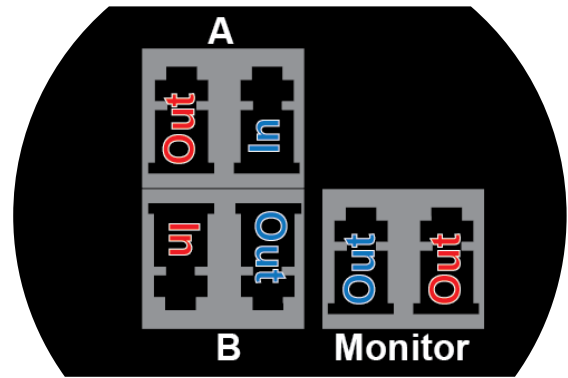
## *Simple installation*

- Plug and play
- No power required
- Connectors on front for easy access and operation
- Comes with convenient mounting tabs for use with the optional USR4522-RMK 4 unit 1U rackmount.





## Fiber TAP Port Relationship



## MODELS 4525, 4526 GIGABIT FIBER TAPS



### SPECIFICATIONS & STANDARDS

#### PHYSICAL

- Metal 1U chassis
- Two TX/RX LC Fiber Network Ports
- Two simplex TX LC Fiber Monitor Ports

#### SINGLE-MODE FIBER

- LC Fiber connectors (Blue)
- 50/50 Split Ratio
- 3.6 dB (OS1/OS2) Insertion Loss
- Directivity:  $\geq 50\text{dB}$
- 9 micron fiber diameter, wavelength 1310/1550 nm

#### MULTI-MODE FIBER

- LC Fiber connectors (Tan)
- 50/50 Split Ratio
- 3.7 dB (OM1/OM2/OM3), 3.8dB (OM4) Insertion Loss
- Directivity:  $\geq 40\text{dB}$
- 50 micron fiber diameter, wavelength 850 nm
- Fiber - OM3/OM4

#### ENVIRONMENTAL

- Temperature:
  - Operating Temperature:  $0^{\circ}$  to  $40^{\circ}\text{C}$
  - Non-Operating Temperature:  $-20^{\circ}$  to  $70^{\circ}\text{C}$
- Humidity:
  - Less than 90% non-condensing operating or non-operating

#### REGULATORY & CERTIFICATIONS

- CE
- RoHS 3 Compliant

#### PACKAGE DIMENSIONS/WEIGHT

- 25.4 x 15.24 x 7.62 cm (10 x 6 x 3 in)
- 0.36 kg (.8 lbs)

#### PRODUCT DIMENSIONS/WEIGHT

- 17.3 x 9.9 x 2.9 cm (6.83 x 3.90 x 1.15 in)
- .19 kg (.42 lbs)

#### PACKAGE CONTENTS

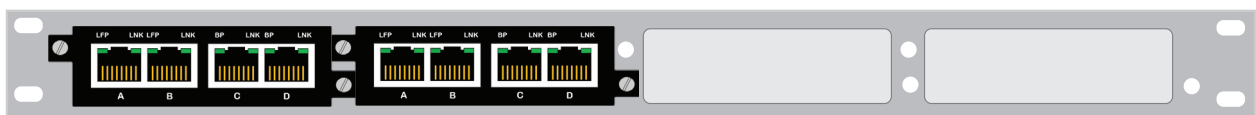
- USR Fiber TAP with integrated mounting tabs for use with USR4522-RMK
- 2 Mounting screws
- Information Card

#### PRODUCT NUMBERS

- USR4525 Multi-mode Gigabit LC Fiber TAP 50 Micron 50/50
- USR4526 Single-mode Gigabit LC Fiber TAP 9 Micron 50/50
- USR4522-RMK Optional 4 Unit 1U TAP Rackmount Chassis

#### WARRANTY

- 2-year limited manufacturer warranty from date of purchase



USR4522-RMK - 1U Rack Mount Chassis holding up to 4 TAPs

*This product has been tested for user safety and adheres to the CE marking, compliance and safety standards.*