USR4501
10/100 Copper Tap
With 1 network Connection and 1 Monitor Connection

ETHERNET TAPS

The USRobotics 10/100 Copper Tap, an inline non-directional full duplex device, provides an easy method to rapidly and effectively deploy analysis tools to observe and monitor 10/100 BaseT traffic between two network devices. By design taps are totally passive, non-intrusive and invisible to the network making it ideal for traffic between critical network devices such as switches, routers and firewalls for real-time monitoring and analysis with security analyzers or probes. Permanent installations eliminate the need for interrupting networking connectivity to reinstall, but also guarantees network traffic still flows if the device loses power. Redundant power solutions ensure network uptime even when the main power source is unavailable.

USRobotics®
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24x7 Secure Access and Monitoring

Monitoring & Analysis	• Captures all traffic and delivers a copy to a tool for analysis • 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 • Full duplex monitoring • Best method to measure network link's performance
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 • Fault-tolerant • Passes all pairs • Non-directional totally passive inline tap • Minimize traffic delay through the tap
Secure	• Invisible on the network • No single point of failure*
Simple installation	• Plug and play • Comes with convenient built-in rackmount or use an optional 1U rack mount kit for up to 3 devices. • 10/100 BaseT compatible • Standard RJ45 connectors
Reliable Power	• Redundant power supplies insure seamless monitoring even if the main power source is unavailable • In the event of a power failure, the tap will continue to pass network traffic uninterrupted • Supports Power over Ethernet (PoE) on network Ports

10/100 Mbps

Inline Tap Solution
Non-Aggregated

Router

Firewall

Model 4501
10/100 Copper Tap

10/100 Copper Tap USRobotics®
POWER   NETWORK   MONITOR
www.usr.com

Half duplex
outputs

Switch

Network Analysis Tool
(Hardware or Software)

—— Network/Ethernet Connection
—— View and Monitor Network Data

MODEL 4501
10/100 COPPER TAP

10/100 Copper Tap
1
2
POWER   NETWORK   MONITOR
USRobotics®
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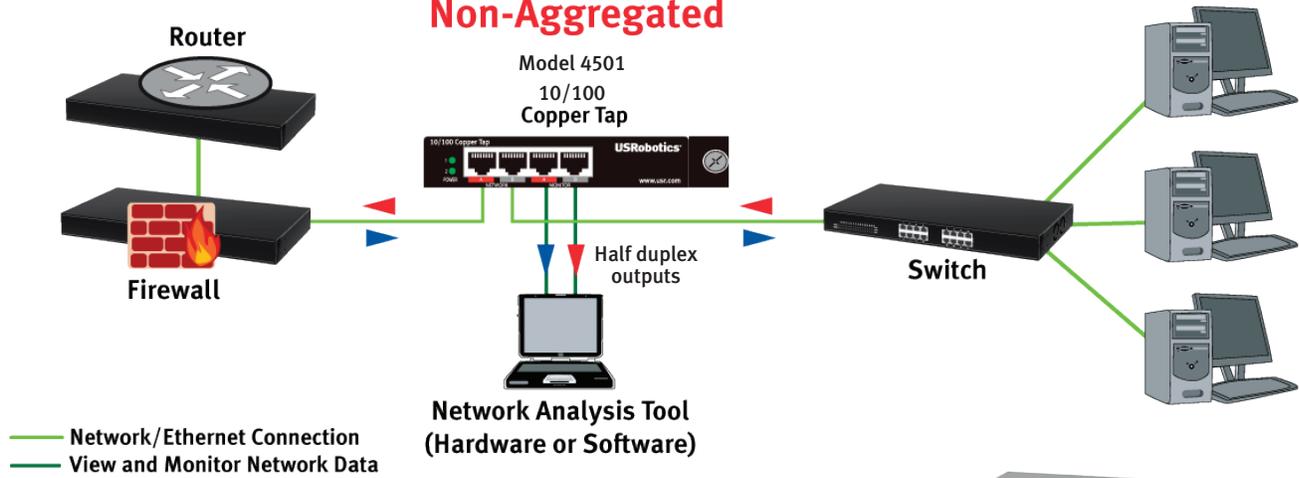
SPECIFICATIONS & STANDARDS

PHYSICAL
- Metal 1U chassis
- Two LEDs (Power 1, Power 2)
- Two RJ-45 10/100 Ethernet Network Ports
- Two RJ-45 10/100 Ethernet Monitor Ports
- Power Supply: 100-240VAC , 50-60HZ, 0.8A

ENVIRONMENTAL
- Temperature:
  - Operating Temperature: 0° to 40° C
  - Non-Operating Temperature: -30° to 65° C
- Humidity:
  - Less than 95% non-condensing operating or non-operating

REGULATORY & CERTIFICATIONS
- EN 50082-1 61000-4 Series
- EN 55022 Class B
- Low Voltage Directive 72-23-EEC (1993)
- CE approved
- RoHS Compliant
- WEEE Compliant

PACKAGE DIMENSIONS/WEIGHT
- 15.75 x 11.5 x 4.25 in (40.01 x 29.21 x 10.80 cm)
- 3.8 lbs. (1.72 kg)

PRODUCT DIMENSIONS/WEIGHT
- 1.10 x 5.75 x 5.75 in. (2.8 x 14.6 x 14.6 cm) with rack mount
- .75 lbs (.34 kg)

PACKAGE CONTENTS
- USRobotics 10/100 Copper Tap with rackmount bracket
- 2 Power Supplies with power cords for US, UK/IRE, Europe

PRODUCT NUMBERS
- USR4501
- Optional 3 Unit 1U Tap Rack Mount Chassis USR4500-RMK

WARRANTY
- 2-year limited manufacturer warranty from date of purchase

10/100 Copper Tap   USRobotics®   Fiber Tap   USRobotics®
POWER   NETWORK   MONITOR   www.usr.com   Tx Rx   NETWORK   MON
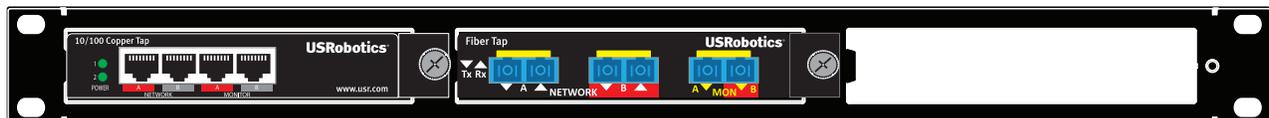
USR4500-RMK - 1U Rack Mount Chassis holding up to 3 Taps

* To eliminate power as a single point of failure both power supplies must be used. The second power supply must be connected to a different external power source circuit than the first power supply.

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CE

RoHS
Compliant
2011/65/EU