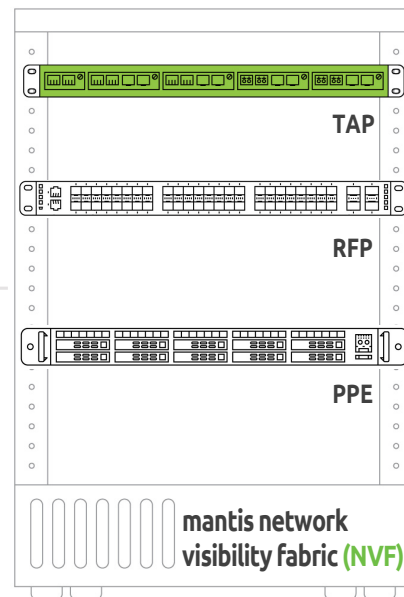


# Overview

## TAPs | Test Access Points

Mantis TAPs come in a variety of deployment options and can handle any network segment: copper, single or multi mode fiber, 1G, 10G, 40G, 100G.

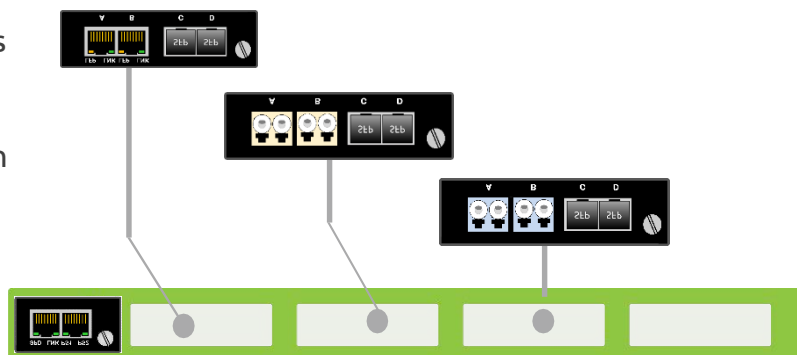
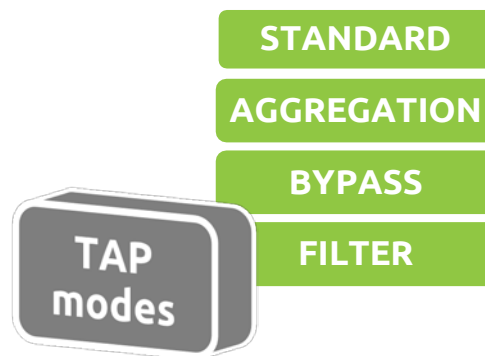
Whether you decide to deploy these TAPs as part of a managed TAP system, or as individual, pointed solutions, **mantis TAPs** are available to help as you find the right network visibility solution to meet your current security and monitoring needs



### Managed TAPs

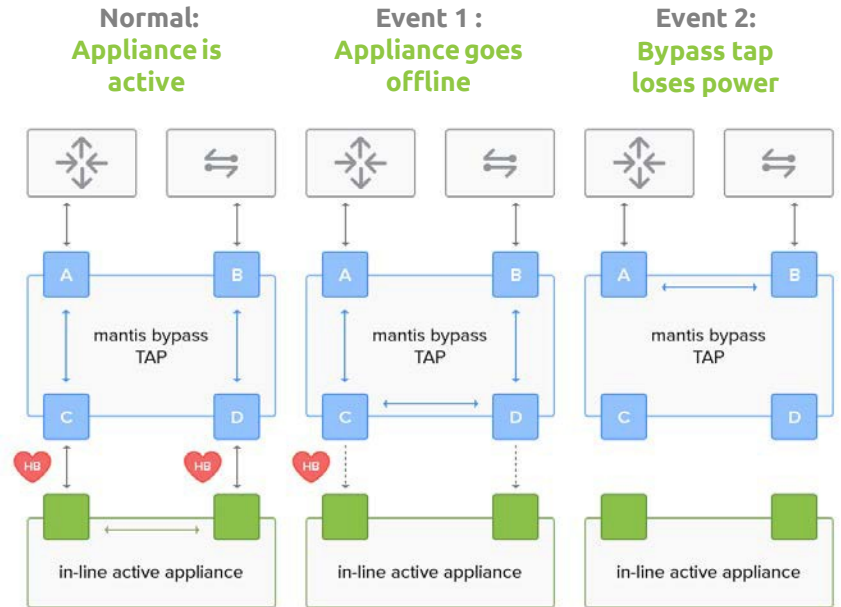
With mantis managed TAPs, users can centralized the control and management of individual TAPs (up to 4 TAPs in 1U and up to 12 TAPs in 2U)

Users simply select TAP modules based on their network connectivity needs, and then plug them in to a managed chassis. The chassis comes with dual internal power supplies, ethernet and serial management ports, and rack mount kits. For even greater flexibility, users can choose which modules to purchase based on their "TAP mode"



## 10G Bypass TAPs

mantis 10G bypass TAPs are similar to the 1G managed TAPs in design. Users can remotely control multiple 10G TAPs, as well as take advantage of bypass capabilities included in our 10G TAP modules. Have a need to insert an in-line appliance without fear of impacting your 10G network? These bypass TAPs guarantee 100% uptime, even in the face of an in-line appliance failure



## Passive TAPs

mantis passive TAPs are designed exclusively for fiber infrastructures. These TAPs are all optical, without any active electronics. They provide fail-safe functionality, can support 1, 10, 40, or 100G networks, and do not require any power at all. Users select the type of TAP needed (single mode or multi-mode + network speed) and can further customize these modules by selecting the optical power split ratio required (70/30,50/50)

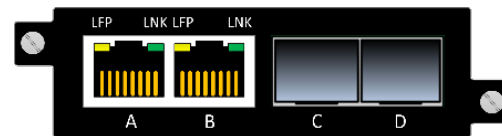


## Portable TAPs

mantis portable TAPs are often deployed for pointed use cases- where more advanced features (such as management and power redundancy) are not required. Users can choose which portable TAP is needed based on connectivity needs, and can then individually deploy each TAP. There is a 1U face plate available for rack mounting (up to 4 modules), but each TAP will have its own individual power supply. Similar to the managed TAP modules, all portable TAPs include “SWAP SFP” monitoring ports

## “SWAP” monitoring ports

All portable TAPs come with **SWAP SFP monitoring ports**- allowing users to define (and change) your monitoring ports via low-cost SFPs.



A,B: Network Ports  
C,D: Monitoring Ports

## Slim Line

mantis slim line TAPs are HIGH DENSITY optical TAPs...

Support up to 8 full-duplex TAPS in 1/3U or up to 24 full-duplex TAPS in 1U. All optical with no electronics. Fail safe with no power required. 1/10/40/100G single or multi-mode fiber

## 1/3U form factor. 8 TAPS.



## 1U form factor. 24 TAPS.



# (ORDERING INFORMATION)

## TAP modules for 1G managed TAP systems:

### Bypass modules

- MDGCBPT-02** Modular 1G (100/1000M) copper Bypass TAP module: Two (2) Copper 100/1000M RJ-45 TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and Bypass modes
- MDGMMBPT-02** Modular 1G fiber Bypass TAP module: Two (2) Multi-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and Bypass modes
- MDGSMBPT-02** Modular 1G fiber Bypass TAP module: Two (2) Single-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and Bypass

### Aggregation modules

- MDGCBPT-02** (same as part # as bypass...copper only) Modular 1G (100/1000M) copper TAP: Two (2) Copper 100/1000M RJ-45 TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and Bypass m
- MDGMM5T-02** Modular 1G fiber aggregating TAP module: Two (2) Multi-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and SPAN modes
- MDGSM5T-02** Modular 1G fiber aggregating TAP module: Two (2) Single-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and SPAN modes

### Filtering modules

- MDGCFT-02** A cXi `Uf% `f%\$\$#%\$\$\$A lVzddYf: ]`hyf]b[ `H5D'a cXi `Y. Hk c f&L7cddYf` %\$\$#%\$\$\$A `F>!( ) `H5D Dcfhgk ]h`hk c f&L'G `D'A cb]hcf]b[ `Dcfhg`z`g ddcfhg` : ]`hyf]b[ žGHUoXUfXž5[ [ fY[ Uh]cbžUoX`GD5B `a cXYg
- MDGMMFT-02** Modular 1G fiber aggregating TAP module: Two (2) Multi-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and SPAN modes
- MDGSMFT-02** Modular 1G fiber aggregating TAP module: Two (2) Single-mode Passive Fiber LC TAP Ports with two (2) SFP Monitoring Ports, supports Standard, Aggregation, and SPAN modes

## 1G Managed chassis

### MDG1U-AC-ASSY

1U Modular Chassis assembly with Serial Management Ports, Dual Internal AC Power Supplies, supports up to four (4) Tap Modules. Includes serial/ethernet management card and rack-mount kit

### MDG2U-AC-ASSY

2U Modular Chassis with Serial Management Ports, Dual Internal AC Power Supplies, supports up to twelve (12) Tap Modules. Includes serial/ethernet management card and rack-mount kit

### MDG1U-DC-ASSY

1U Modular Chassis with Serial Management Ports, Dual Internal DC Power Supplies, supports up to four (4) Tap Modules. Includes serial/ethernet management card and rack-mount kit

### MDG2U-DC-ASSY

2U Modular Chassis with Serial Management Ports, Dual Internal DC Power Supplies, supports up to twelve (12) Tap Modules. Includes serial/ethernet management card and rack-mount kit

## 10G Bypass TAP modules + chassis

### MDG-10G-MMBPT-03

10 GIG Bypass TAP Module, Multi-Mode Fiber 10GIG-SR, LC Connectors, with (2) SFP+ cages for monitoring ports. Includes serial and ethernet management ports

### MDG-10G-SMBPT-03

10 GIG Bypass TAP Module, Single-Mode Fiber 10GIG-LR, LC Connectors, with (2) SFP+ cages for monitoring ports. Includes serial and ethernet management ports

### MDG-10G-SMBPT-ER-03

10 GIG Bypass TAP Module, Single-Mode Fiber 10 GIG-ER, LC Connectors, with (2) SFP+ cages for monitoring ports. Includes serial and ethernet management ports.

### MDG-10G-1UAC

10 GIG, 1U Chassis, 4 slots, Dual AC Power Supplies

### MDG-10G-1UDC

10 GIG, 1U Chassis, 4 slots, Dual DC Power Supplies

**\*\*\*PORTABLE TAP MODULES:** part numbers for portable TAP modules are the same as BYPASS modules, with a "-P" at the end. For example, a 1G copper portable module is part number MDGCBPT-02-P. Filter capability only available in managed TAP systems.

# FEATURES

TAP



VS



SPAN

## 100% PACKET CAPTURE?

Yes- TAPs capture every piece of information, does not drop packets

## 100% PACKET CAPTURE?

No-SPAN ports drop packets when they are oversubscribed. Data from a SPAN port is unpredictable-it is completely reliant on the available resources.

## REAL TIME DATA

TAPs do not affect packets in any way, shape, or form- including relationship of frames, spacing, and response times

## REAL TIME DATA

Can distort real time communications, such as VOIP

## PASSIVE?

Yes- TAPs do not affect your network traffic, delivering a fully passive solution.

## PASSIVE?

No- SPAN ports run on production switches and routers, and directly impact network traffic (to include dropped packets)

## EXPOSURE TO HACKING

TAPs are they most secure piece of networking equipment- they do not have an IP or MAC address

## EXPOSURE TO HACKING

High- SPAN ports are vulnerable to any threat once it has breached a network

## FAIL SAFE?

Yes- network TAPs are 100% fail safe- if a TAP fails, or any application connected to the TAP fails, network traffic will continue to flow without impact

## FAIL SAFE?

No- there is no fail safe

## ACTIVE AND FAIL SAFE?

Yes- with the use of BYPASS TAPs. These TAPs allow you to flip a switch to go from **passive/"out-of-band"** to **active/"in-line"**.

The TAP is 100% fail-safe while operating in either setting

## ACTIVE AND FAIL SAFE?

No- see above