Network Critical

CriticalConneX™

10/100 CriticalTAP™ User Guide

CC3100: CriticalConneX™
Multi-Link Aggregation TAP

User Guide

This user guide shows you how to install the CC3100 into your Ethernet network.

What's in the box

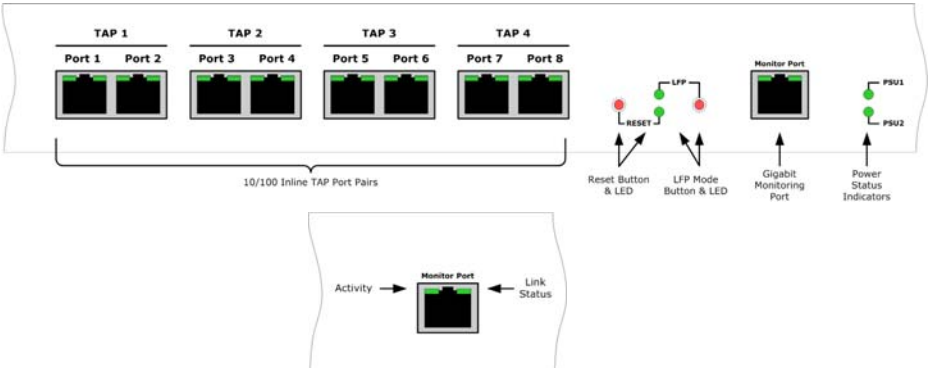
Please check the box to make sure all parts are included:

CC3100:

1 x CC3100: 10/100 Copper Multi-Link Aggregation TAP with Gigabit Monitoring Port
2 x Power Cord
1 x User Guide
1 x Warranty Card

Note: *If any items are missing or damaged in shipping please inform Network Critical or your local reseller immediately.*

Front Panel - CC3100



Configuring the TAP

1. **Link Failure Propagation (LFP) Mode**

When selected ON the CC3100 will monitor the link status of each TAP PORT pair. If one of the devices connected to a TAP PORT fails, then the CC3100 will fail that pair to safe, effectively dropping the other port in the pair. This feature is generally used in Redundant Configured Networks (HSRP - Hot Standby Routing Protocol, OSFP - Open Shortest Path First protocol, etc.) to ensure that the secondary network path comes online. When the connected devices come back online they will be able to connect to each other through the fail-to-safe TAP ports, but their traffic will not be tapped and will not be sent to the monitor port. To begin monitor ing the traffic again you must reset the unit using the RESET button - this will reset any failed-to-safe ports on the TAP and bring them back online. To perform a system reset press and hold the RESET button for 5 seconds.

It is not recommended to use LFP mode unless you are deploying the CC3100 into a redundant network.

If you are connecting the CC3100 to switch mirror ports (SPAN ports) then you MUST have LFP mode off.

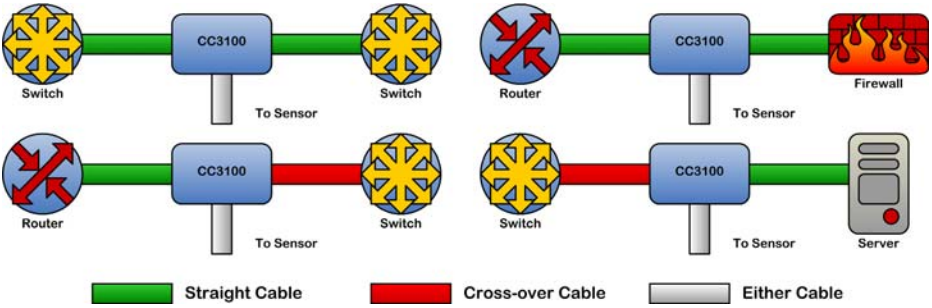
Connecting the TAP

1. Configure the TAP (see above)

Important! *Do not power up the TAP now.*

2. Connect the proper cables for your configuration to the TAP Ports.

3. Check the Link/Activity indicators on your network device ports to verify whether data is flowing through the TAP PORTS with the power off. This verifies the fail-to-safe capability of your installation.



Note: *This cable guide is for 10/100MB operation only and is to ensure that the LAN devices can still communicate even if power to the TAP fails. Most equipment vendors follow the above standard MDI or MDIX configurations, however some vendors may not. To ensure proper connectivity, always verify link at the network devices with the TAP power off. If there is no link try changing one of the cables from Straight-thru to Cross-over.*

4. Reconnect the Power Connection.

5. The TAP will power up. The RESET LED will flash while the unit is booting. After about five seconds the unit will come online.

6. Set-up network tool and connect Ethernet cable from your sensor's gigabit monitoring port to MONITOR PORT.

7. Check the Link/Activity indicators on your sensors' network ports to see whether data is flowing from the TAP to the sensor ports.

Note: *If the TAP fails to power up or fails to show link/activity on all connected ports make sure that the power source is turned on. Check all connections and verify that all cables used in working condition.*

Installation Complete!

Further Information & Support

For more information and technical support on this product please contact us at the following locations:

Web	http://www.criticaltap.com/
UK Phone	+44 (0) 1189 543210
USA Phone	+1 716-833-2422
Email	support@networkcritical.com