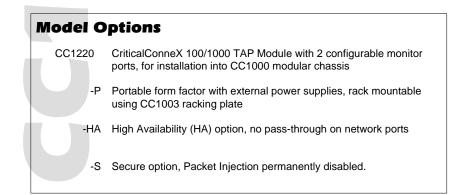# CriticalConneX™ CC1220

The CC1220 is part of the new generation of TAP products from Network Critical; it is a fully featured, fully configurable tapping solution for 100/1000 network links, with support for up to 2 gigabit network tools.

The CC1220 features Network Critical's innovative Zero-packet-loss failsafe technology which maintains full-duplex pass-through capability to protect your network link from downtime in the event of a product failure.

The CC1220 features several configurable operation modes for flexible deployment:

- the traffic that is seen at each monitoring port can be selected as A, or B, or A+B, which means the CC1220 can function as a breakout tap or as a dual-port aggregation tap.
- Packet Injection (PI) allows network tools to inject packets into the live network so that an IPS can mitigate attacks.
- Link Failure Propagation (LFP) allows simultaneous failover of network interfaces, useful in HA network scenarios.
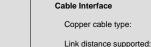
The CC1220 is available in a portable, stand-alone form factor or as a plug-in module for the CriticaConneX™ enterprise chassis.

Deployment

In **BREAKOUT** mode bi-directional live network traffic is broken-out onto separate monitor ports, giving a single network tool full access to the traffic. This type of deployment is recommended when 100% guaranteed traffic capture is required.

In **COMBI** mode bi-directional live network traffic is combined onto each monitor port, in this way two network tools can be given access to the traffic. This type of deployment is recommended for edge links where traffic levels are lower.

Model Options

CC1220	CriticalConneX 100/1000 TAP Module with 2 configurable monitor ports, for installation into CC1000 modular chassis	
-P	Portable form factor with external power supplies, rack mountable using CC1003 racking plate	
-HA	High Availability (HA) option, no pass-through on network ports	
-S	Secure option, Packet Injection permanently disabled.	

Features

One-To-Many - mirrors a single network link to multiple network tools

A/B Breakout - breaks out the network traffic into two separate streams

A+B Combi - combines the network traffic into a single stream

Packet Injection - allows the network tool to inject packets into the live link

100BASE-TX - supports 100Mbit/s Fast Ethernet networks

1000BASE-T - supports 1000Mbit/s Gigabit Ethernet networks

Technical Specs

Operating Specs

Operating Temperature:	0°C to 58°C
Storage Temperature:	-12°C to 72°C
Relative Humidity:	10% to 95% Non condensing

Cable Interface

Copper cable type:	22-24 AWG UTP CAT5/CAT5E
Link distance supported:	100 Meters

Connectors

Network Ports:	2 x RJ45 100/1000 Pass through
Monitor Ports:	2 x RJ45 1000 Configurable