

New! Canary Uni-Directional Media Conversion

Featuring:

- **One-Way Fiber Port Transmission** ▪ **Auto-Cross RJ-45 Port** ▪
- **Switch-Selectable Auto-Negotiation or Forced RJ-45 Configuration** ▪
- **Special Order Single-Mode CWDM Transceivers for Multiple Channel Transport** ▪

Canary **CFT-206XD** and **CFT-206XDR** Uni-Directional, Fast Ethernet Media Converters are designed for one-way data transmission across a single fiber strand. Standard duplex SC and ST Fiber connectors are utilized with their Full-Duplex function disabled.

Optimized for environments where two-way communications is undesirable, Canary *Uni-Directional*, Converters implement factory changes that are irreversible after configuration. No on-board external/internal switches or jumpers are usable to restore bi-directional operation either before or after installation. Simply changing Fiber optic connectors will not re-enable bi-directional operation.

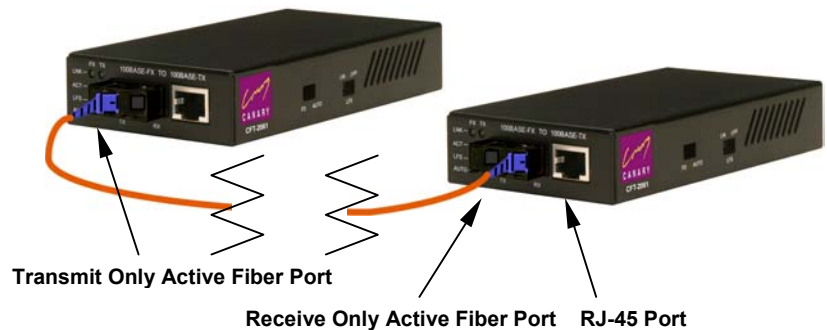
The Fast Ethernet RJ-45 port is Switch-Selectable to allow a choice of *Forced Full-Duplex* or *Auto-negotiated* twisted-pair connections with other network devices. Even if Full-Duplex links are established at the UTP interface, they never actually transport full-duplex traffic.

CFT-206XD & **CFT-206XDR** converters also support multi-channel, parallel transmission over a single Fiber strand by using CWDM techniques. Each channel is transported via its own dedicated wavelength.

Making optimal use of state-of-the-art integrated circuits and surface-mount technology, Canary has created exceptionally reliable, tamper-resistant, low-cost single-purpose converters.

Design documentation for these units is retained in a separate, secured factory location.

CFT-206XD & CFT-206XDR Uni-Directional Media Converters



▪ Simple, Plug-and-Go, UTP and Fiber Connections:

Simply connect the Transmit (Tx) port of the CFT-206XD to the Receive (Rx) port of the CFT-206XDR using a single Fiber strand; then connect and configure the RJ-45 port of each device with their associated host for secure, one-way data transmission

▪ Highly Flexible & Secure Switch/Network Configuration:

A selection of Duplex Fiber connectors including multi-mode and long-range Single-Mode, expand customer access and utilization of existing fiber installations. Uni-Directional **CFT-206XD/ CFT-206XDR** converters can also be special ordered in versions compatible for mounting in a standard Canary 16-Slot, CCM-1600 Media Converter chassis.

▪ Unparalleled Network Integration and Versatility:

Combine multiple, one-way data channels into *virtual trunks* for parallel transport over a single Fiber strand using CWDM (Coarse Wavelength Division Multiplexing) transceivers paired with optical multiplexers.

Alternatively, create CWDM wavelength based, optical VLANs. Simply make additional Copper and Fiber connections to increase the number of active, one-way Links – *Easy, Secure Expansion!*

Canary Communications

Main Features:

Standards:

- IEEE: 802.3u

Interfaces:

- One 100BASE-FX Port
- One 100 BASE-TX RJ-45 Port

Networking:

- 100 BASE-TX / RJ-45 Port : Switch Selectable for: Auto-negotiation and Forced (hard-Set) mode
- Fiber port:
 - CFT-206XD: Transmit (Tx) only
 - CFT-206XDR: Receive (Rx) only
- Fiber Connector Types: X = 1 ~ SC, X = 2 ~ ST

Management:

- No management access to internal functions

Power:

- 100 ~ 240 VAC Auto-ranging Power input
- +5 VDC Power Output

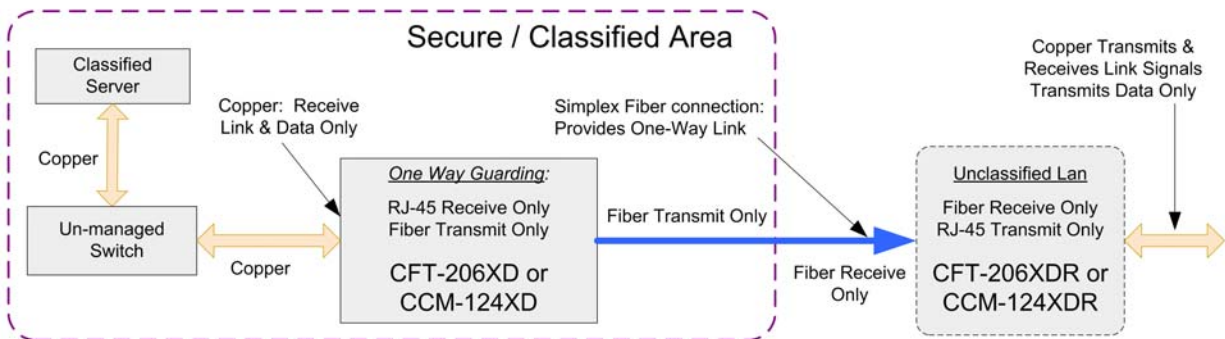
Mechanical & Environmental:

- Desktop unit
- Operating temperature: 0°C~50°C



Specifications:

Standards:	IEEE 802.3u	100BASE-FX/TX	Power:	Input:	100 ~ 240 VAC,
	IEEE 802.1d	Spanning Tree Compatible	Temperature:	Operating:	0° C to 50° C
	IEEE 802.1q	VLAN Compatible		Storage:	-20° C to 70° C
	IEEE 802.3x	Flow Control Compatible	Humidity:	Operating:	10% to 80% RH
Ports:	[1] 100BASE-FX			Storage:	5% to 90% RH
	[1] 100BASE-T/TX (RJ-45)		Emissions:	FCC Part 15 of Class A & CE Approved	
Throughput:	74,400 + Packets per Second (pps) thru 100 Mbps connections (one-way transmission)		Safety:	EN 60950	
Max Distances:	Fiber Optic:	Up to 110 km (s/m)	Dimensions:	5.75 in. X 2.85 in. X 1.00 in. (D x W x H)	
	RJ-45 :	100 m		[14.61 x 7.24 x 2.54 cm] (D x W x H)	
			Weight:	2.6 lb. (1.2 Kg) (shipping wt.)	



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