

New! Canary Multi-Powered Fast Ethernet Converters

Featured Choices:

- **5 VDC & 9 – 48 VDC Power Input + Terminal Blocks** ▪ **Auto-Cross RJ-45 Port** ▪
- **Auto-Negotiation & Switch-Select, Forced Full-Duplex RJ-45 Configuration** ▪
- **Special Order Single-Mode CWDM Transceivers for Multi-Channel Transport** ▪

Canary **CFT-2061-V** and **CFT-2062-V** (CFT-206X-V series) Ethernet media converters with Variable 9 – 48 Volt (DC) Input-Power plus Terminal Blocks are designed for installations within industrial cabinets that house PLC Controllers, Serial Devices and other Field-Bus linked equipment.

CFT-206X-V series media converters are optimized for environments where 110/220 VAC power and 3-wire plugs are unavailable and when Un-interruptible Power Supply equipment providing well-regulated DC current is preferred. They also retain a standard 5-VDC Power Jack for local AC to DC operation, if desired.

CFT-206X-V series Fast Ethernet media converters function identically to standard CFT-2061 and CFT-2062 converters. All CFT-206X & CFT-206X-V versions are designed for 100 Mbps data transmission over standard UTP and Fiber cabling. SC, ST plus LC Fiber connectors, provide typical Multi-mode, Single-mode and Single-Fiber Bi-Directional links, with Coarse Wavelength Division Multiplexing (CWDM) special order.

CFT-206X-V variants, using CWDM optics, support up to eighteen dedicated channel wavelengths transmitted over [one] Single-Mode Fiber cable. Each Multiplexed CWDM channel is transported in parallel with the seventeen other possible channels.

CFT-206X-V series converters incorporate a Switch-Selectable, Fast Ethernet RJ-45 port to allow a choice of *Auto-negotiated* or *Forced Full-Duplex* twisted-pair links with other networked devices.

Canary has made possible, exceptionally reliable, low-cost, tamper-resistant, Ethernet transmission by making optimal use of state-of-the-art integrated circuits, surface-mount technology, and advanced optics.

DIN-Rail mounted - Variable In-put Power CFT-2062-V Converter



▪ **Plug-and-Go: UTP, Fiber and Power Connections:**

Configure your application to run via Ethernet TCP/IP or UDP/IP. Connect each CFT Converter RJ-45 (Tx) port to the Source or Destination devices and connect the paired Fiber ports. Make the Power connections to each CFT-206X-V Terminal Block and power-up. *Easy & Secure Connections!*

▪ **Flexible, Secure Network/Host Configurations:**

Between Domains: Forward information between Production/Machining zones or between remote Production areas and separated corporate offices. Extend transmission distances while limiting EMI/EMC interference and possible data corruption.

Physical Security: Restrict authorized user access. With optional DIN-Rail connections to allow mounting within a locked cabinet, users block physical tampering with critical network equipment. Control, limit and maintain System Data Integrity & Availability.

▪ **Unparalleled Network Integration and Versatility:**

Combine multiple, 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, two-way Links – *Easy, Secure Expansion!*

Canary Communications

Main Features:

Diagnostic LEDs:

- Auto-Negotiation [Enabled], Activity [Fiber & UTP], Full-Duplex, Link [Fiber & UTP], Link Fault Signaling [LFS], System Power [Powered ON]

Networking:

- 100 BASE-TX / RJ-45 Port: Switch Selectable for Auto-negotiation or Forced Full-Duplex mode
- Fiber ports:
 - CFT-206X-V:** Multi-Mode with 9 – 48VDC Power
 - CFT-206X-SV:** Single-Mode with 9 – 48VDC Power
 - CFT-206X:** Standard Multi-Mode versions (5 VDC)
 - CFT-206X-S:** Standard Single-Mode versions (5 VDC)
- Fiber Connector Types: **X = 1** ~ SC, **X = 2** ~ ST, **X = 6** ~ LC

Power:

- 9 ~ 48 VDC Auto-ranging Power input & 5 VDC Power Jack
- Terminal Block with Screw-Locked Wire Connections



Management & Configuration:

- No Management access to internal functions
- Switch Configuration Options:
 - MDI / MDI-X [auto] switch: Automatically sets RJ-45 port to MDI or MDI-X configuration
 - LFS ON / OFF [manual] switch: Enables (LFS) Circuit
 - FD / AUTO [manual] switch: Enables Auto-Negotiation or forced (hard-Set) Full-Duplex operation

Mechanical / Mounting:

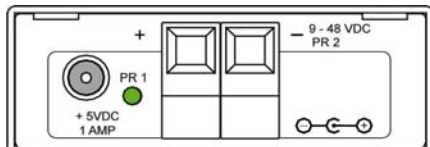
- Desktop
- DIN-Rail: On Bottom [Back], On Side with choice of Power (Wire) Connections [Up or Down]; User can make selection during order process
- DIN-Rail is Special Order at time of placing purchase orders



Specifications:

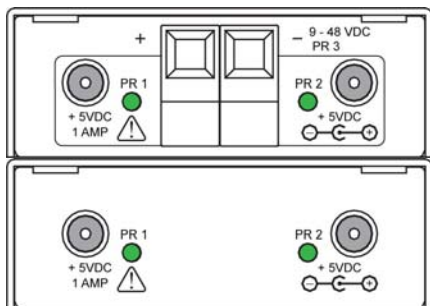
Standards:	IEEE 802.3u IEEE 802.1q IEEE 802.3x	100BASE-FX/TX VLAN Compatible Flow Control Not Supported
Ports:	[1] 100BASE-FX (SC, ST, LC) [1] 100BASE-TX (RJ-45)	
Throughput:	74,400 + Packets per Second (pps) thru 100 Mbps connections (one-way transmission)	
Max Distances:	Fiber Optic: 2 Km (m/m), Up to 110 km (s/m) RJ-45: 100 meters	
Safety:	EN 60950, US 21 CFR (J) & EN 60825-1	

Power:	Input:	9 – 48 VDC via Terminal Block and 5 VDC via Power Jack
Temperature:	Operating:	0° C to 50° C
	Storage:	-20° C to 70° C
Humidity:	Operating:	10% to 80% RH
	Storage:	5% to 90% RH
Emissions:	FCC Part 15 of Class A & CE Approved	
Dimensions:	5.75 in. X 2.85 in. X 1.00 in. (D x W x H) [14.61 x 7.24 x 2.54 cm] (D x W x H)	
Weight:	2.6 lb. (1.2 Kg) (shipping weight)	



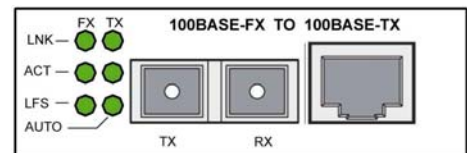
Legacy Mixed AC to 5 VDC & 9-48 VDC with Terminal Block

CFT-206X-V with 5 VDC input Power Jack for typical local AC power use, and the optional 9 – 48 VDC Power Input plus wire-lock Terminal Block

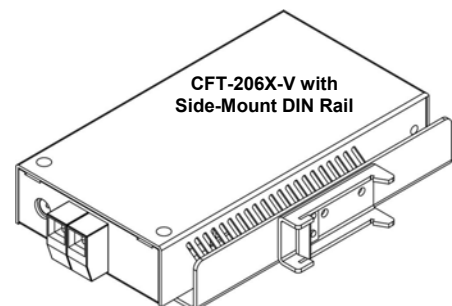


Newer Mixed AC to 5 VDC & 9-48 VDC with Terminal Block

Standard AC to 5 VDC Only



CFT-206X Face [CFT-2061 1 = SC Fiber]



For more information, please visit us at:
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The Canary Communications QMS is Certified to ISO 9001:2015

