Updated: Canary Gigabit Ethernet Converters

Featuring:

- **Optional 9 – 48 VDC Power Input & Terminal Blocks**
- **Auto-Cross RJ-45 Port**
- **UTP Link Negotiation & Switch-Selectable Gigabit Fiber-Negotiation**
- ***Special Order CWDM Transceivers for Multiple Channel Transport***

Canary ***GFT-1055, GFT-1031*** Gigabit Ethernet Media Converters and other similar ***GFT-10XX*** series products, continue to enjoy sales as industry standard networking products with wide acceptance in industry, government and academia. Deployed worldwide, they currently reside in network installations large and small.

GFT-10XX series Converters are optimized for environments where 110/240 VAC power and 3-wire plugs are typically available and when un-interruptible Power Supply (UPS) equipment providing regulated AC current is preferred. Updated, they are now available with an optional Terminal Block for direct connection to dedicated 9 – 48 VDC Power sources.

A single ***GFT-10XX's*** Gigabit Ethernet Fiber and RJ-45 ports are able to *Auto-negotiate* common data-rates and Link connections flexibly, between two separate network switches – each one populated with different Gigabit user-port types.

GFT-1031 [SC] and ***GFT-1036*** [LC], single-mode versions provide transmission over duplex single-mode Fiber while the ***GFT-1037*** works with single-strand Fiber cable. Similarly, parallel transmission of multi-channel traffic, is offered via special-order CWDM wavelength transceivers.

Making optimal use of advanced surface-mount technology & state-of-the-art integrated circuits, Canary continues to provide highly functional and exceptionally reliable, low-cost Gigabit Ethernet Media Converters.

GFT-1055 & GFT-1037 UTP-to-Fiber Gigabit Media Converters

GFT-1055 & GFT-1037 Gigabit Converters

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

Configure your application to run via Ethernet TCP/IP or UDP/IP. Connect each GFT Converter RJ-45 (Tx) port to the Source and Switch devices and connect the shared Fiber ports. Make the power connections to each GFT-1055 [or its Terminal Block] and power-up. *Easy & Secure Connections!*

▪ *Flexible, Long-Reach Network/Host Configurations:*

Between Domains: Forward information between Production/Machining zones while limiting EMI/EMC interference and possible data corruption. Use them to link remote Production areas and spatially separated corporate offices. Similarly, Converter UTP-to-Fiber links can extend a university's network transmission distances across a widely dispersed campus setting.

▪ *Unparalleled Network Integration and Versatility:*

Combine multiple, data channels into *virtual trunks* for parallel transport over existing single Fiber strands by using CWDM (Coarse Wavelength Division Multiplexing) transceivers paired with Optical Multiplexers.

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

Canary Communications

Main Features:

Standards:

- IEEE: 802.3z, IEEE 802.ab

Interfaces:

- One 1000BASE-SX / LX / ZX, Fiber Port options
- One 1000BASE-T RJ-45 Port

Networking:

- 1000 BASE-T / RJ-45 Port: Auto-Cross & Auto-Negotiation
- Fiber port: Switch-selectable Fiber-Negotiation
- Fiber Connector Choices: multi-mode m/m & single-mode s/m

  GFT-1052 / GFT-1032: ST -Type Fiber connectors
  GFT-1055 / GFT-1031: SC -Type connectors

  GFT-1056 / GFT-1036: LC -Type Fiber connectors
  GFT-1057 / GFT-1037: SC -Type Single-Fiber Bi-Directional
- Cables: multi-mode = 55, 56, 57 & single-mode = 31, 36, 37

Management:

- No management access to internal functions

Power:

- Input: 100 ~ 240 VAC Auto-ranging Power Supply
- Output: +5 VDC Power
- Optional: 9 – 48 VDC Input **[-V]** via Locked Terminal Block
  CFT-1055-V, GFT-1031-V, GFT-1056-V etc.
- Consumption: 4.0 Watts (Nominal), 5.0 Watts (Maximum)

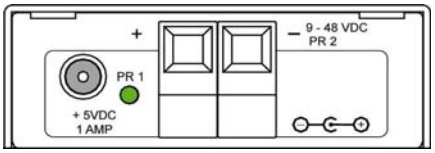
Mechanical & Environmental:

- Desktop and 19 inch Shelf mounting
- DIN Rail Attachment Clips: Special Order
- Operating Temperature: 0ºC~50ºC

Specifications:

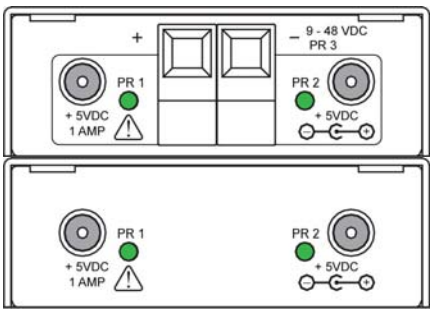
Standards:	IEEE 802.3u	1000BASE-T/SX/LX/ZX	
	IEEE 802.1q	VLAN Compatible (One-way)	
	IEEE 802.3x	Flow Control Not Supported	
Ports:	[1] 1000BASE-SX / LX / ZX		
	[1] 1000BASE-T (RJ-45)		
Max Distances:	Fiber Optic: Up to 90 km (s/m)		
	RJ-45 : 100 meters		
Weight:	2.6 lb. (1.2 Kg) (shipping wt.)		

Power:	Input: 100 ~ 240 VAC Output: 5.0 VDC
Temperature:	Operating: 0º C to 50º C Storage: -20º C to 70º C
Humidity:	Operating: 10% to 80% RH Storage: 5% to 90% RH
Emissions:	FCC Part 15 of Class A & CE Approved
Safety:	EN 60950, US 21 CFR (J) & EN 60825-1
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)



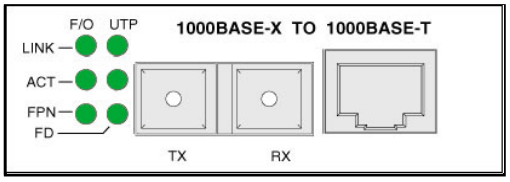
Legacy Mixed AC to 5 VDC & 9-48 VDC with Terminal Block

GFT-10XX 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



GFT-1055 & GFT-1031 Front [SC-type Fiber]

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

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