

1G Media Converter

1-Port 1G Media Converter – 1GbE RJ-45 to SFP (SFP Slot Supports Duplex LC Multimode or Single-Mode Modules)

CMC-GTFX-SFP 1G Media Converter



SFP Slot Model

- ☑ Gigabit Ethernet Conversion
- ☑ Dual Interface Support
- ☑ Auto-Negotiation & MDI/MDI-X
- ☑ Advanced Network Performance
- ☑ Compact & Durable Design – Fanless metal
- ☑ Reliable Power & Protection
- ☑ Certified Safety & Compliance

INTRODUCTION

The CMC-GTFX Media Converter Series is a Gigabit Ethernet Media Converter that converts 1Gbps copper Ethernet to 1Gbps SFP fiber. It supports IEEE 802.3 standards, auto-negotiation, VLAN tagging, jumbo frames (up to 16KB), and Link Fault Pass-Through (LFP) for improved network reliability. Designed for flexibility, it features a fanless metal enclosure, low power consumption (2W), and multiple mounting options. With built-in surge and ESD protection, and CE, FCC, and UKCA certifications, the CMC-GTFX-SFP Gigabit Ethernet Media Converter ensures stable, high-speed connectivity in a wide range of environments.

PRODUCT SPECIFICATIONS

Interface	
10M/100M/1Gbps Copper Port	1
1Gbps SFP Slot (for Multi/Single Mode, Duplex LC Module)	1
System Performance	
Packet Buffer	384Kb
MAC Address Entity	1K
Jumbo Frame	16KB

Physical Characteristics			
Transmission Media		TP: 10/100/1000Base-T(X) CAT 5e, CAT6, or CAT6A cable, up to 100m Fiber transmission distance depends on the SFP transceiver and fiber cable types. For example, <ul style="list-style-type: none"> ● 1000Base-SX: 50/125µm multimode fiber optic cable, up to 550m ● 1000Base-LX: 9/125µm single-mode fiber optic cable, up to 20Km 	
Dimension (W x H x D)		75 x 23 x 102 mm	
LED	Power (Amber)	On / Off	Power On / Off
	Copper Speed (Green)	On / Off	Link at 100Mbps / Transmitting
	Copper Link/Act. (Green)	On / Flashing	Link at 1000Mbps / Transmitting
	SFP+ Link/Act. (Green)	On / Flashing	Link / Transmitting
DIP Switch		1 DIP switch for enable/disable LFP (Link Fault Pass Through)	
Cooling		Fanless	
Enclosure		Metal	
Installation		Desktop / Wall Mount (Optional) / Chassis Install (Optional)	
Weight		198g	
Power Requirements			
Power Input		5 - 12V DC	
Power Input Connector		DC Jack (Φ2.5mm)	
System Power Consumption		2 Watt	
Environment Limits			
Operating Temperature		0 ~ 50°C	
Storage Temperature		-20 ~ 80°C	
Operating Humidity		Max. 90% RH (Non-condensing)	
Certifications			
Electromagnetic Emissions (EMC)		CE, FCC, UKCA	
Safety		EN62368-1	
Protection			
ESD		DC Contact 4KV, Air 8KV	
Surge		AC Line to Line 1KV, Line to Ground 2KV	
Standard			
IEEE 802.3 – 10Base-T		●	
IEEE 802.3u – 100Base-TX		●	
IEEE 802.3ab – 1000Base-T		●	
IEEE 802.3z – 1000Base-SX/LX		●	



PACKAGE CONTENTS

- 1 × 1G Media Converter Unit (*SFP Transceiver Module Not Included*)
- 1 × Power Adapter (*Please specify the power plug type when ordering*)
- 1 × Quick Installation Guide

WARRANTY

- Standard 1-Year Limited Warranty, unless otherwise specified by Sales.
- Optional Advance Replacement Warranty is available upon request

ORDERING INFORMATION

Part Number	Descriptions
CMC-GTFX-SFP	1G Media Converter, 1GbE RJ-45 to SFP (SFP transceiver module not included)
(OPTIONAL)	
CMC-GTFX-WMK	Wall Mount Kit for 1G Media Converter
CMC-CH16-RPS	16-Slot Media Converter Chassis with Redundant Power Supply
Note: The CMC-GTFX-SFP Standard Kit does not include the optical transceiver module. Contact DSGio Sales for supported modules or bundled SKUs. The options include, but are not limited to, the following: <ul style="list-style-type: none">o 1.25Gbps, MMF, 850nm, 550m, Duplex LCo 1.25Gbps, SMF, 1310nm, 10Km/20Km, Duplex LC	

Note:

- Please specify the required power plug type when ordering.
- For RJ-45 to fiber and back to RJ-45 conversion, two media converter units are required.

CONTACT INFORMATION

For more information, please visit our website or contact our customer service team:

- **Website:** www.dsgio.com
- **Email:** sales.apac@dsgio.com

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