

INDUSTRIAL GIGABIT ETHERNET MEDIA CONVERTER

DDMCPIG SERIES



SYNOPSIS

- DMCPiG CF IS A 10/100/1000 MBPS INDUSTRIAL POE FIBER ETHERNET SWITCH DESIGNED FOR RELIABLE OPERATION IN HARSH INDUSTRIAL ENVIRONMENTS.
- IT INCLUDES 1 × GIGABIT POE PORT (15.4 W, UP TO 30 W MAX) AND 1 × 1000BASE-X SC FIBER UPLINK PORT

FEATURES & BENEFITS

- SUPPORTS NON-BLOCKING, WIRE-SPEED DATA FORWARDING FOR EFFICIENT NETWORK PERFORMANCE.
- SUPPORTS FULL-DUPLEX TRANSMISSION IN ACCORDANCE WITH IEEE 802.3X AND HALF-DUPLEX TRANSMISSION USING BACKPRESSURE.
- PROVIDES ENHANCED SURGE AND ESD PROTECTION, INCLUDING 8 KV CONTACT DISCHARGE, 15 KV AIR DISCHARGE, 4 KV COMMON-MODE, AND 2 KV DIFFERENTIAL-MODE LIGHTNING PROTECTION ON PORTS.
- FEATURES INDUSTRIAL DUAL POWER INPUT, WITH DC INPUT RANGE OF 12–52 V AND POE DC INPUT RANGE OF 48–57 V.
- DESIGNED FOR LOW POWER CONSUMPTION, FEATURING A FANLESS DESIGN WITH A DURABLE ALUMINUM ENCLOSURE.
- EQUIPPED WITH A USER-FRIENDLY FRONT PANEL, OFFERING LED INDICATORS FOR POWER (PWR) AND LINK STATUS (LINK) FOR EASY MONITORING.

TECHNICAL SPECIFICATIONS

Fixed Port	1* 10/ 100/ 1000Base-TX PoE port 1* 1000Base-X uplink SC port
Ethernet Port	10/ 100/ 1000Base-TX autosensing, full/half duplex MDI/MDI-X self-adaption
Twisted Pair Transmission	10BASE-T : Cat3,4,5 UTP (≤100 meter) 100BASE-T : Cat5e or later UTP (≤100 meter) 1000BASE-T : Cat5e or later UTP (≤100 meter)
Optical Port	Default optical module is single-mode dual-fiber 20km, SC port
Wavelength/Distance	single mode: 1310nm 0 to 40KM , 1550nm 0 to 120KM

CHIP PARAMETER

Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x, IEEE802.3ab 1000Base-T; IEEE802.3z 1000Base-X
Forwarding Mode	Store and Forward (Full Wire Speed)
Switching Capacity	4Gbps
Buffer Memory	2.98Mpps
MAC	8K
LED Indicator	Pwr, Fiber Indicator, PoE

POWER

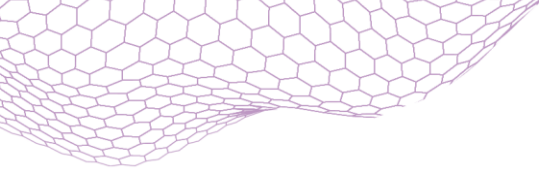
Input Voltage	DC Input Voltage: 52V
PoE power supply method	Supports 1,2+, 3,6-power supply
PoE output power	Each port has a power supply of 15.4W and a maximum power of 30W per port

PHYSICAL CHARACTERISTICS

Dimension (L*W*H)	116mm* 86.5mm*32.5mm
Installation	Desktop, DIN rail

ENVIRONMENT

Working Temperature	-40°C to +75°C
Storage Temperature	-40°C to +85°C
Operating Humidity	5% to 90% (no condensation)
Storage Humidity	5% to 95% (no condensation)



ORDERING CODE

DDMCPIG M/SXXX SC/ST CF

DDMCPIG	Industrial Grade Giga PoE Media Converter
M/SXXX	M: Multimode (wavelength 850nm up to 550m) S: Single Mode, XXX = 020, 040, 080, 100Kms (Wavelength 1310nm for 20km)
SC/ST	SC: SC Connector ST: ST Connector
CF	Fixed



DATA BRIDGE
D Y N A M I C