



COMMERCIAL GRADE FIBER TO ETHERNET GIGA MEDIA CONVERTER

DDMCDG SERIES



SYNOPSIS

- DDMCDG S A IS A GIGABIT ETHERNET MEDIA CONVERTER DESIGNED TO EXTEND 10/100/1000MBPS TWISTED-PAIR NETWORK SEGMENTS UP TO 120 KM OVER FIBER TECHNOLOGY.
- OFFERS SFP/SC/FC/ST INTERFACE OPTIONS.
- SFP SLOT SUPPORTS 1.25G/155M SFP MODULES WITH AUTO-NEGOTIATION FUNCTION.
- EQUIPPED WITH A DIP SWITCH FOR CONFIGURING THE LINK FAULT PASS-THROUGH (LFPT) FUNCTION.
- LFPT FUNCTION HELPS TO PREVENT DATA LOSS IN CASE OF A LINK FAILURE.
- MEDIA CONVERTERS FEATURE A PAIR OF HETERO LINKS (E.G., COPPER LINK AND FIBER LINK).
- HANDLES CONDITIONS SUCH AS HIGH DATA TRAFFIC, RETURN LOSSES, OR LINK FAILURES ON COPPER OR FIBER CONNECTIVITY.
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FEATURES

- COPPER PORT SUPPORTS AUTO-NEGOTIATION AND AUTO-MDI/MDI-X
- SFP PORT SUPPORTS 1.25G/155M WITH AUTO-NEGOTIATION
- FULL-DUPLEX AND HALF-DUPLEX MODES WITH BACKPRESSURE AUTO-NEGOTIATION
- LFPT (LINK FAULT PASS-THROUGH) FUNCTION
- SUPPORTS 16K JUMBO FRAMES
- LED INDICATORS FOR OPERATIONAL STATUS
- WIDE-RANGE POWER INPUT SUPPORT
- BUILT-IN ESD AND SURGE PROTECTION
- IP30-RATED ENCLOSURE
- SUPPORTS CHASSIS MOUNTING AND WALL MOUNTING (WITH OPTIONAL KITS)
- LOW POWER CONSUMPTION WITH LEAD-FREE MANUFACTURING PROCESS
- COMPLIANT WITH CE, FCC, AND ROHS STANDARDS

TECHNICAL SPECIFICATIONS

PERFORMANCE

Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3x
Data forwarding	Store and Forward
MAC address	2k
Buffer Space	718k
Flow Control	support
Jumbo Frame	16k bytes

INTERFACE

Copper Port	10/100/1000M Auto-negotiation, RJ45 auto-MDI/MDI-X Cat5/Cat5e/Cat6, ≤100m
Fiber Port	1.25G/155M SFP, 1.25G SC/FC/ST optional OS1/OS2 ≤120km; OM1/OM2 ≤550m
Power Port	DC socket, φ2.5mm
LED indicators	PWR, GX, GE,FL/A,TL/A
Dip-switch	LFPT, Flow control, Jumbo frame, Forced 100M

ELECTRICAL CHARACTERISTICS

Input Voltage	5-12VDC
Input Current	Max. 0.25A
Power Consumption	≤2W

PHYSICAL CHARACTERISTICS

Enclosure	Metal
IP Rating	IP30
Installation	Wall-mounted
Dimension	94x71x26mm

ENVIRONMENT

Working Temperature	-20 to 60°C
Storage Temperature	-40 to 85°C
Relative Humidity	5% to 95% (no condensation)

POWER ADAPTOR

Input Voltage	100-240Vac 50/60Hz
Storage Temperature	12Vdc 0.5A

ORDERING INFORMATION

DDMCDG S A

DDMCDG	Commercial Grade Giga Media Converter
S	1.25G/155M SFP Slot
A	Fixed