



10/100/1000 ETHERNET TO FIBER MEDIA CONVERTER

MODEL DDMCDG N



SYNOPSIS

- MODEL DDMCDG PROVIDES A COST-EFFECTIVE PLUG-AND-PLAY SOLUTION FOR LONG-RANGE 10BASE-T, 100BASE-TX AND 1000BASE-TX ETHERNET EXTENSIONS.
- IT HAS AN ADDED BENEFIT OF 10/100/1000 AUTO-NEGOTIATION MAKING IT THE PERFECT CHOICE WHEN PLANNING FUTURE UPGRADES OF ETHERNET NETWORKS.
- BUILT-IN AUTO-SENSING CAPABILITIES ENABLE FULL OR HALF-DUPLEX ETHERNET OPERATION WITH NO CONFIGURATION REQUIRE

SPECIFICATIONS

COMMUNICATION	
Standard	IEEE802.3 10Base TX, IEEE802.3u 100Base TX/FX, IEEE802.3ab, 1000Base-T, IEEE802.3z, 1000BaseFX, IEEE802.3X Flow control
RJ45 port rate	10/100/1000Mbps auto negotiation, MDI/MDI-X
Optic port rate	1000Mbps
Ethernet transmission distance	100m
Flow Control	Full-duplex, Back-pressure flow control for half-duplex model
Fiber transmission	20 Km (single mode), 550m (multi-mode)
Optic port connector	SC, ST or FC

OPTIC PORT CABLE	
Single mode	8.3/125, 8.7/125, 9/125 or 10/125µm s
Multi-mode	50/125, 62.5/125µm
Wavelength	1310nm (2Km, 20km, 25Km, 40Km), 1550nm (40 to 100Km)
Tx Power	-7 to -12 dBm @ 1310nm
Rx Sensitivity	≥ -35 dBm @ 1310nm
LFPT (Link Fault Pass Through)	
Delay	1.934 sec
BER	< 1/1000000000
MTBF	3 years
Throughput	1488096pps
Backplane/bandwidth	3G

ENVIRONMENT

Operating Temperature	-10 deg to 65 deg Celsius
Storage temperature	-20 deg to 70 deg Celsius
Relative Humidity	5% to 95% non-Condensing

POWER SUPPLY

External Adapter	230V AC
Power Consumption	< 4W

MECHANICALS

Dimension H×W×D	26mm×70mm×93mm without mounting plate
Mounting / Enclosure	Table Top
Weight	230g

ORDERING CODE

DDMCDG M/SXXX SC/ST N

DDMCDG S020 SC N	Fiber to Ethernet Media Converter, Singlemode-20Km, SC Connector, AC Adapter
DDMCDG S040 SC N	Fiber to Ethernet Media Converter, Singlemode-40Km, SC Connector, AC Adapter
DDMCDG S080 SC N	Fiber to Ethernet Media Converter, Singlemode-80Km, SC Connector, AC Adapter
DDMCDG S100 SC N	Fiber to Ethernet Media Converter, Singlemode-100Km, SC Connector, AC Adapter
DDMCDG S020 ST N	Fiber to Ethernet Media Converter, Singlemode-20Km, ST Connector, AC Adapter
DDMCDG M SC N	Fiber to Ethernet Media Converter, Multimode, SC Connector, AC Adapter
DDMCDG M ST N	Fiber to Ethernet Media Converter, Multimode ST Connector, AC Adapter