



BIDI FIBER MEDIA CONVERTER

MODEL DDMC BIDI N



SYNOPSIS

- THE DDMC BIDI N SERIES IS A 10/100M ETHERNET FIBER MEDIA CONVERTER DESIGNED TO MEET INDUSTRIAL NEEDS AND CAN OPERATE STABLY FOR A LONG TIME IN HARSH ENVIRONMENTS.
- IT HAS 1*10/100M RJ45 PORTS AND 1*155M UPLINK SC PORT. EACH PORT CAN SUPPORT FULL LINE-RATE FORWARDING
- BIDI CONVERTERS IT IS USED IN PAIRS.
- A SUPPORT TX: 1310, RX : 1550NM & B SUPPORTS TX : 1550, RX 1310NM. XXXXX BIDI N HAS EXCELLENT INDUSTRIAL FIELD ENVIRONMENT ADAPTABILITY WITH LOW POWER CONSUMPTION, NO FAN COOLING TECHNOLOGY IT IS SUITABLE FOR APPLICATIONS SUCH AS INTELLIGENT TRANSPORTATION, RAIL, POWER, MINING ETC.,

FEATURES

- SUPPORT NON-BLOCKING WIRE-SPEED FORWARDING.
- SUPPORT FULL-DUPLEX BASED ON IEEE802.3X AND HALF-DUPLEX BASED ON BACKPRESSURE.
- 1*155M UPLINK SC BIDI SINGLE FIBER PORT
- LOW POWER CONSUMPTION, NO FAN, ALUMINUM SHELL

TECHNICAL SPECIFICATIONS

INTERFACE CHARACTERISTICS

Fixed Port	1*10/100Base-TX RJ45 port 1*155M uplink SC port, BiDi port
Ethernet Port	10/100Base-TX Auto-sensing, Full/half duplex Auto MDI/MDI-X
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP (≤100 meter) 100BASE-T: Cat5e or later UTP (≤100 meter)
Optical Port	BiDi, Single Fiber, SC port
Optical Cable / Distance	Multi-mode: 850nm / 0 to 550M, 1310nm / 0 to 2km Single mode: 1310nm / 0 to 40KM, 1550nm / 0 to 120KM

NETWORK PARAMETER

Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX, IEEE802.3u 100Base-FX, IEEE802.3x
Forwarding Mode	Store and Forward (Full Wire Speed)
Converting Capacity	1.6Gbps
Forwarding Rate @ 64byte	0.30Mpps
MAC	1K
Buffer Memory	768K
Jumbo Frame	1536bytes
LED Indicator	Power, Network, Fiber port

POWER SUPPLY

Internal	230V AC	Range 110 to 265 VAC 3 pin Terminal block
	24, 48, 110, 220V DC	Range +/- 10% 3 pin Terminal block
Power Consumption	Standby <2W, Full load <4W	

MECHANICALS

Dimension (L*W*H)	115*34*97mm (H×W×D) without DIN Clamp & Connectors
Mounting / Enclosure	DIN Rail
Weight	<0.5 kg / <0.7 kg

ENVIRONMENT

Operating Temperature	-40 to +75°C
Storage temperature	-40 to +85°C
Relative Humidity	5% to 95% Rh non-Condensing

ORDERING CODE

DDMC BiDi A/B M/SXXX SC A/D XXX N

Model	Description
DDMC BiDi A S020 SC D 24 N	1*10/100M RJ45 port and 1*155M uplink SC port. TX: 1310, RX: 1550nm, 20km Single mode Single Fiber module.
DDMC BiDi B S020 SC D 24 N	1*10/100M RJ45 port and 1*155M uplink SC port. TX: 1550, RX: 1310nm 20km Single mode Single Fiber module.

DATA BRIDGE
D Y N A M I C