

## Gigabit Dual Fiber Media Converter

DMC-1G1F-SC-20-E

10/100/1000M Single Mode Dual Fiber Media Converter with SC Fiber Port. External Power Supply.



### Features

- ◆ Card-type or stand-alone, apply in centralized management 2U aluminum chassis
- ◆ Using WDM wavelength 1310nm and 1550nm to achieve single fiber bi-directional transmission
- ◆ Broadcast filtering feature/Address auto learning/ Automatic update feature/Store and forward operating mechanism
- ◆ Cache is 512KB, MAC address table is 4KB
- ◆ Ethernet 10Base-Tx to 10 Base-Fx or 100Base-Tx to 100Base-Fx or 1000Base-Tx-1000Base-Fx fiber media converte
- ◆ Support IEEE 802.3af, IEEE 802.3U, IEEE 802.1X,IEEE 802.3Z/AB, IEEE 802.1d protocol
- ◆ Supports full-duplex or half-duplex backpressure flow control work, and with auto-negotiation capability
- ◆ TP port supports 100Mbps, 10Mbps, two TP port could match different rate (When full-duplex bandwidth up to 2\*Mbps)
- ◆ Provide remote link loss diagnostics,TP port and FX port link connection diagnostic,dynamic data transmission,full / half duplex,rate indicator
- ◆ Provide single RJ-45 port , and support automatically cross-recognition, connected with switch,set line
- ◆ FX port with good feature, strong compatibility and high reliability, can be well compatible with Cisco, Nortel, 3COM etc
- ◆ Excellent after-sales service, providing three years quality assurance and life-long maintenance services

### Applications

- ◆ Harsh industrial environment or higher requirements for lightning protection
- ◆ Urban Intelligent Traffic Monitoring System (ITS), Safe City
- ◆ Highway monitoring system, electronic road monitoring, network cameras
- ◆ Large industrial enterprise security monitoring systems, network multifunction system
- ◆ Remote multimedia teaching / campus monitoring, remote network video conference system

### Specifications

Technical parameter list	
Product Name	Dual Fiber Gigabit Media Converter with SC Fiber Port
Product Model	Diana: DMC-1G1F-SC-20-E
Connector Type	1x copper cable RJ45 port +1x fiber SC port
Bandwidth	Fiber bandwidth 1.25G; Ethernet Bandwidth:1.6Gbps (non-blocking)
MTBF	190,000 hours (about 21 years)
Network Protocol	IEEE 802.3i 10BASET; IEEE 802.3u 100BASETX; IEEE 802.3x Flow Control; IEEE 802.1af DTE Power via MDI
Optical Fiber	Single mode dual fiber, SC port
Optical Distance	20 km
Wavelength	1310nm
Interface Rate	10/100/1000M
LED Display	System, Power, Connecting, working status
Power Consumption	2.5W
Dimension	11x7x2.5cm
Working Environment	Working Temperature:-20~ 75°C; Storage Temperature: -40~ 85°C; Working Humidity: 5%~90%, non-condensing; Storage Humidity: 5%~95%, non-condensing; Operational Altitude: 3000m (10,000ft); Storage Altitude: 3000m (10,000ft)
Certification	CE ,RoHs
Warranty	2+ year warranty