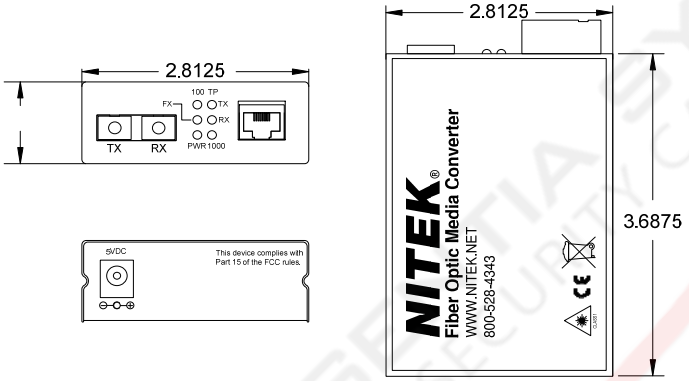
MC722SG–Series

Gigabit Single-Mode Dual Fiber Media Converter

020910

PRODUCT SPECIFICATION



Description

The MC722SG-Series are compact dual fiber media converters. Each converter features LED diagnostics for power, activity, link and full duplex/half duplex operation. All converters are fully compliant with the IEEE 802.3 and 802.3u Fast Ethernet standards and feature one RJ45 1000BaseTX port and one Fiber Optic 1000BaseFX SC port. Each unit is powered by an external power supply (included).

The MC722SG-Series are transceivers requiring very little installation time and minimal set up or configuration. Installation requires simply connecting two fibers to the fiber duplex SC connectors on the transceiver. Once powered up and connected the transceiver instantly connects to the network or companion MC722SG-Series transceiver and begins operating as a full-duplex 1000BaseT Ethernet conduit. The MC722SG-Series is completely transparent to the network; it has no IP or MAC addresses and does not require any additional setup or programming. Connect your network devices by connecting their RJ45 connectors into the network ports of the transceivers. LEDs on the devices indicate the presence of power, transmission link and network signals for easy troubleshooting.

The MC722SG-Series extends network communications to overcome cable distance limitations offering connections to devices in locations traditional networking does not allow. The MC722SG-Series will auto-negotiate bandwidth to compensate for wire attenuation and losses that occur from wire length, signal noise and interference.

The units are constructed of industrial grade RoHs compliant plated steel which is finished with a heat resistant powder coat paint making them very durable. They are designed to mount within the camera housing, or in an equipment enclosure.

Features

- Compliant with IEEE802.3 and IEEE802.3u 1000BaseTX/FX standards
- Extends standard Ethernet cable limits
- Autosensing MDI/MDIX crossover for network port
- 1000Mbps
- Fully transparent to the network
- Supports any network device, including IP cameras
- Easy to install, no set up required
- No MAC or IP addressing required
- LED indicators for network signals, link status and power

Ordering Information

Fiber Type	Part #	Compatible Unit	MC Set	# Fibers	Loss Budget	Connector	Max Distance
Single Mode 9/125 µm	**MC722SG-10**	**MC722SG-10**	**MC722SGX2-10**	2	19dB	SC	Multi-Mode Fiber >10Km (6.2 mi)
Single Mode 9/125 µm	**MC722SG-20**	**MC722SG-20**	**MC722SGX2-20**	2	19dB	SC	Multi-Mode Fiber >20Km (12.4 mi)
Single Mode 9/125 µm	**MC722SG-40**	**MC722SG-40**	**MC722SGX2-40**	2	19dB	SC	Multi-Mode Fiber >40Km (24.8 mi)

NITEK®

CE RoHS COMPLIANT 2002/95/EC

USA
5410 Newport Drive, # 24
Rolling Meadows, IL 60008
Phone: (847) 259-8900
Fax: (847) 259-1300
E-mail: info@nitek.net
WWW.NITEK.NET

MC722SG-Series

Gigabit Single-Mode Dual Fiber Media Converter

020910

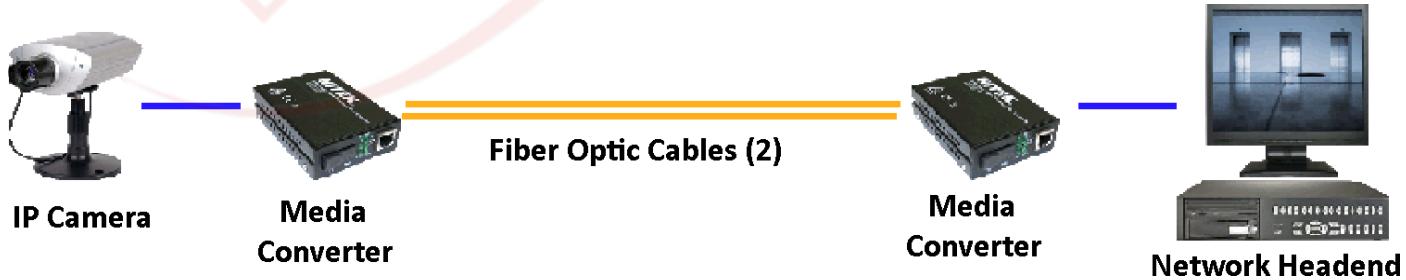
TECHNICAL SPECIFICATION

Transceiver Unit	
IEEE:	802.3, 802.3u
Ethernet:	1000BaseT (1) RJ45 Jack
Fiber:	1000BaseFX (1) SC Duplex Connector
Wavelength:	1310T/1310R
Typical Distance:	See Ordering Information
Link Budget:	19.0 dB
External Power Supply:	5VDC @ 1.0A (Included)
Power Consumption:	5 W
Operating Temperature:	32 - 122 Degrees Fahrenheit
Humidity:	5% ~ 90% non-condensing
Dimensions (W x D x H):	3.6875" x 2.8125" X 1"
Shipping Weight:	2 lbs.
Emissions/Safety:	FCC Class A, CE

LED Indicators		
LED	Color	Function
FX	Green	Lit when full-duplex mode is active
TX	Green	Lit, 100Mbs ; off 10Mbs
FX/Link Act	Green	Lit when fiber connection is made Blinks when data transfer is active
TX/Link Act	Green	Lit When RJ45 is Connected Blinks when data transfer is active
FDX	Green	Lit when full-duplex mode is active
PWR	Green	Lit when 5 Volt DC power is applied

In our continued effort to "Bridge the Gap in Technology", product specifications are subject to change without notice.

System Design



NITEK®

CE RoHS COMPLIANT 2002/95/EC

USA
5410 Newport Drive, # 24
Rolling Meadows, IL 60008
Phone: (847) 259-8900
Fax: (847) 259-1300
E-mail: info@nitek.net
WWW.NITEK.NET