

## Media Converter

### Description

The media converter complies with IEEE802.3 Ethernet Standards as well as RS232/422/485 Communication Standards and it is designed to convert interface between Fast Ethernet, Gigabit Ethernet & Communication Signals. On the Twisted Pair interfaces the media converter automatically identifies polarity.

Fast Ethernet or Gigabit Ethernet of Multi-mode and Single-mode media conversion is available at distances at 550m/2Km and 20/40/60/80/100/120 Km respectively.

The media converter is also available in 19" rack chassis with slide in modules. Converter is transparent to all protocols. With Link Fault Pass Though, the link status on Twisted Pair port is propagated to the remote network. The media converters are dual Fiber operates at 850nm/1300nm/1310nm/1550nm.



### Feature

10/100Mbps; 10/100/1000Mbps with Full/Half duplex automatically configure in Twisted Pair port  
 RS485 signal flow auto-recognition of speed 0~115.2 Kbps with auto negotiation  
 RS485 support 128 nodes and RS422 support 64 nodes  
 Compliant with RS232/422/485 Communication standards and stable transmission  
 Compliant with IEEE 802.3 10Base-T; IEEE 802.3u 100Base-TX; IEEE 802.3z/ab 1000Base-T standards  
 Compliant with 100Base-FX; 1000Base-SX/LX standards  
 MDI/MDI-X Auto Negotiation  
 LED Indicators for POWER, FX LINK/ACT, 100, TP LINK/ACT, FDX/COL.  
 Supports LLR (Link Loss Return) for FX Port  
 Supports LFP (Link Failure Pass) function  
 Optional 19" System Chassis  
 Slide in Modules & Wall-Mountable  
 FCC Class A & CE approved

### Specification

Wavelength  
 850nm, 1300nm, 1310nm & 1550nm

Fiber Cable  
 50/125, 62.5/125, 100/140 Multimode  
 8.3/125, 8.7/125, 9/125 or 10/125 Single-mode

Interface  
 Copper: RJ45  
 Serial: RS232/422/485  
 Optical Fiber: SC, ST, LC  
 Power: AC UK Plug

Environment  
 Relative humidity: 5% to 90%  
 Operating temperature: 0 to 60  
 Storage temperature: -20 to 70

Distance  
 Multi-mode 550m/2Km (conditions apply)  
 Single-mode 20Km/40Km/60Km/80Km/100Km/120Km (conditions apply)

Bandwidth & Performance  
 Built-in 2MB Buffer Memory  
 High Performance 1.4Gbps for 10/100Base-Tx & 2Gbps for 10/100/1000Base-Tx

Power Supply  
 9V/12V DC Adapter  
 110V to 240V AC 50 to 60Hz

### Ordering Information

MCRU-16	i-Net Networks Media Converter Rack Unit Empty 16 Slots AC UK
MCSF- <b>RJ45-M02C</b>	i-Net Networks Media Converter Standalone 100 Mbps Twisted Pair RJ45 Multimode 2KM SC AC UK Plug
MCSG- <b>RJ45-M55C</b>	i-Net Networks Media Converter Standalone 1000 Mbps Twisted Pair RJ45 Multimode 550m SC AC UK Plug
MCRF- <b>RJ45-M02C</b>	i-Net Networks Media Converter Rack Module 100 Mbps Twisted Pair RJ45 Multimode 2KM SC AC UK Plug
MCRG- <b>RJ45-M55C</b>	i-Net Networks Media Converter Rack Module 1000 Mbps Twisted Pair RJ45 Multimode 550m SC AC UK Plug
<b>RJ45</b>	<b>RJ45</b> —Twisted Pair RJ45, <b>2348</b> —RS232/485, <b>5062</b> —Multimode
<b>M02C</b>	<b>M55C</b> —Multimode 550m SC (for 1000Mbps), <b>M02C</b> —Multimode 2KM SC (for 100Mbps), <b>S20C</b> —Singlemode 20KM SC, <b>S40C</b> —Singlemode 40KM SC, <b>S60C</b> —Singlemode 60KM SC, <b>S80C</b> —Singlemode 80KM SC, <b>S1HC</b> —Singlemode 100KM SC, <b>SH2C</b> —Singlemode 120KM SC