



Quiktron Media Converters

For mission critical networks!

Quiktron Media Converters provide network designers, integrators, and specialists a reliable, cost effective method of converting electrical Ethernet signals to Ethernet over fiber. Advantages include:

- Increases the length of the transmission link
- Utilizes low loss optical fiber
- Extends overall distances
- Provides an overall cost effective network system to deploy

Quiktron Media Converters are packaged in high-quality ruggedized packages that operate over a wide temperature range. The quality electronics also ensure reliable link connections with virtually no fuss, and years of dependable service. They can be used as standalone devices or conveniently mounted in two rack-mountable enclosures. The rack-mountable enclosures are available in a 1u (1.75" high) or 3u (5.25" high) model that can accommodate 4 or 12 media converters.

A variety of built-in features include auto negotiation, UTP auto MDI/MDI-X switching, status LED's, and loopback testing. These features greatly reduce time spent troubleshooting during deployment. Available in multiple options (based on the type of fiber required) including: Ethernet protocol, redundancy, and optical connector type.

Chassis Specifications

Product #:	QMC-RACK-01-04	QMC-RACK-01-12
Rack-Mountable Slots	4	12
Power Requirements	100~240V AC	100~240V AC
Dimensions	17.3x9.5x1.75" (440x240x44mm); 1U	16.9x11.4x5.25" (430x290x133mm); 3U
Weight	7.25lbs (3.3kg)	19.8lbs (9kg)
Temperature	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)
Relative Humidity	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)
Cooling	(2) 25mm Fans	(3) 75mm Fans
Regulatory Approvals	FCC Class A and CE	FCC Class A and CE

Additional products & specifications listed on reverse.

Features & Benefits:

- Allows multiple configuration options
- Automatic MDI/MDI-X selection on
- Auto negotiation, NWay support on
- Link Fault Signaling (LFS)
- Monitoring and loopback testing
- Auto Ethernet switching
- Redundant power supply options
- LEDs for at-a-glance device status
- Extend distances up to 2km or 6560ft (multimode fiber)
- Extend distances up to 10km or 32,800ft (single-mode fiber)
- Rack-mountable options

Applications:

- Fiber to the desk
- Ethernet extension
- Inter-building ethernet connectivity
- Security systems
- Bridge/Router/Switch to: remote, wireless access point, remote diagnostic equipment

Media Converter Specifications

Product #	QMC-MFSB-01-03	QMC-MFSB-01-02	QMC-SFSB-01-02	QMC-MSSC-01-01	QMC-SLSC-01-01	QMC-MSSC-02-01	QMC-SLSC-02-01
							
Product Description	10/100Base-T to 100Base-FX, ST Connector	10/100Base-T to 100Base-FX, SC Connector	10/100Base-T to 100Base-FX, SC Connector	10/100/1000Base-T to 1000BaseSX MM, LC Connector	10/100/1000Base-T to 1000BaseLX SM, LC Connector	10/100/1000Base-T to 1000BaseSX MM, Redundant, LC Connector	10/100/1000Base-T to 1000BaseLX SM, Redundant, LC Connector
Standards Compliance	IEEE 802.3u (100BASE-TX/FX Fast Ethernet)	IEEE 802.3u (100BASE-TX/FX Fast Ethernet)	IEEE 802.3u (100BASE-TX/FX Fast Ethernet)	Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX standards	Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards	Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX standards	Complies with IEEE 10/100Base-TX, IEEE 802.3ab 1000Base-T and IEEE 802.3z 1000Base-SX/LX standards
Auto Switching	Yes, 10/100 Mbps	Yes, 10/100 Mbps	Yes, 10/100 Mbps	Yes, 10/100/1000 Mbps	Yes, 10/100/1000 Mbps	Yes, 10/100/1000 Mbps	Yes, 10/100/1000 Mbps
Status LEDs	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Fiber Type	Multimode	Multimode	Single-mode	Multimode	Single-mode	Multimode	Single-mode
Fiber Transmission Distance	2km	2km	10km	220m	10km	220m	10km
Connector (Fiber)	ST	SC	SC	LC	LC	LC	LC
Fiber Protocol	FX	FX	FX	SX	LX	SX	LX
Interchangeable Fiber Port	no	no	no	yes	yes	yes	yes
Duplex Fiber Ports	1	1	1	1	1	2	2
Loopback Test	yes	yes	yes	yes	yes	yes	yes
Link Fault Signaling	yes	yes	yes	yes	yes	yes	yes
Auto MDI/MDI-X Support	yes	yes	yes	yes	yes	yes	yes
Rack Compatible	yes	yes	yes	yes	yes	yes	yes
Power Requirements	12VDC, 1A	12VDC, 1A	12VDC, 1A	12VDC, 1A	12VDC, 1A	12VDC, 1A	12VDC, 1A
Dimensions	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)	4.3x2.9x0.95" (110x74x24mm)
Weight	6oz (158g)	6oz (158g)	6oz (158g)	6oz (158g)	6oz (158g)	6oz (158g)	6oz (158g)
Temperature	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)	0 to 50C (-20 to 70C, storage)
Relative Humidity	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)	10 to 90%, Noncondensing (5 to 90%, storage)
Regulatory Approvals	FCC Class A and CE	FCC Class A and CE	FCC Class A and CE	FCC Class A and CE	FCC Class A and CE	FCC Class A and CE	FCC Class A and CE