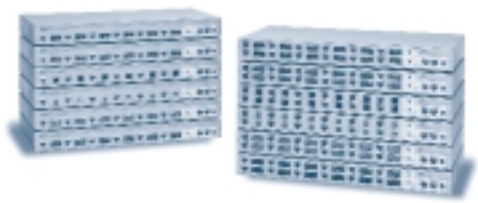
AT-MCF10 Series, Multi-Channel Ethernet Media Converters

AT-MCF06 Family, 6 channel 10Mbps Ethernet media converters
AT-MCF12 Family, 12 channel 10Mbps Ethernet media converters



KEY FEATURES

Fiber test switch

Plug-and-play installation

MissingLink integrity monitoring

Optional SNMP management

DISTANCE AND RANGE

The Allied Telesyn AT-MCF06/AT-MCF12 range of media converters is a complete family of 6 and 12 channel 10Mbps manageable media converters, all housed in a single slim, 19" rackmountable unit. With a range of fiber connector styles for SC, ST and VF-45 and supporting both multi-mode and single-mode fiber cabling, these media converters allow inter-connectivity of Ethernet networks at distances of up to 15km.

MANAGEMENT

The AT-MCF06/AT-MCF12 media converters can be installed as unmanaged devices, making them extremely cost-effective. All of the converters are easily upgradable with management in the field by the installation of a slide-in management module, the AT-MCM02.

REDUNDANCY

All ports support the Allied Telesyn MissingLink™ feature, which allows the media converters to truly propagate Fast Ethernet 'Link' signals. Multiple channels on a media converter can therefore be used to provide resilient links to copper based switches supporting these features. For added security, all the media converters support an optional redundant internal power supply and both power supplies can be "hot" inserted and removed enabling zero down-time during maintenance.

SIMPLE INSTALLATION

Designed for optimal use in managed networks, each port can independently operate with a managed port configured for either half or Full Duplex. Additionally, the Link test feature allows the user to check the operation of the installed fiber cable without the need for expensive test equipment or with other active components connected to the UTP channel ports on the media converter.

AT-MCF10 Series, Multi-Channel Ethernet Media Converters

STATUS INDICATORS

System LEDs (Main Chassis)

Power	Green/Yellow - Dual, if RPS present
Normal/Test Mode	Green/Yellow - per each 6 channels

Management Module LEDs

Link	Green - Valid link on management UTP port
Activity	Green - RX on management UTP port
Status	Yellow - Indicates presence and proper operation of module

Per Channel LEDs

Link FO	Green - Valid link on fiber optic port
Link TP	Green - Valid link of UTP port
Activity	Yellow - RX data on the fiber optic port

NETWORK MANAGEMENT

RS232 Console Access	
SNMP	Proprietary MIB Extensions

INTERFACE CONNECTIONS

Fiber Ports	Fiber ST, SC, MT-RJ or VF-45, depending on model
UTP Ports	Shielded RJ-45 10T (suitable for a straight cable connection to a hub or switch)

Management Ports:

Mini DIN	4 Pin Female connector (RS232) setup/diagnostics Cable to RS232 (D-9) supplied with AT-MCM101 management module
UTP Ports (2)	Shielded RJ-45 10T, both MDI & MDIX (shared)

OPERATIONAL CHARACTERISTICS

Fiber Wavelength	850nm	Multi-mode interfaces
	1300nm	Single-mode interface
Fiber Output Power	Multi-mode devices	
	Output Power	Typical
	62.5/125µM	-15dBm
	100/140µM	-15dBm
	50/125µM	-19dBm
	Single-mode	
	Output Power	Typical
	8-10/125µM	-21dBm
Input Sensitivity	-30dBm typical Multi-Mode	
	-32.5dBm typical Single-Mode	

POWER CHARACTERISTICS

AC:

Voltage	100-120/200-240 vAC
Frequency	50-60Hz
Power Consumption	35W maximum

ENVIRONMENTAL SPECIFICATIONS

Operating Temp.	0°C to 40°C (32°F to 104°F)
Non-operating Temp.	-30°C to 65°C (-22°F to 149°F)
Relative Humidity	90% max. noncondensing

PHYSICAL CHARACTERISTICS

Dimensions	441mm x 265mmx 44mm (17.3" x 10.4" x 1.75")
Weight	3.5kg (7lbs)
Mounting	19" rackmountable or desktop hardware included

STANDARDS AND COMPLIANCE

IEEE 802.3	10Mbps Ethernet

ELECTRICAL/MECHANICAL APPROVALS

UL 1950	FCC Class A
CSA 22.2 No.950	EN55022 Class A
EN 60950	(TUV) EN50081-1
VCCI Class B	ICES Class B

ORDERING INFORMATION

AT-MCF06ST-xx
AT-MCF12ST-xx
6/12 channel 10Mbps media converter, TX to multi-mode fiber (ST)

AT-MCF06SC-xx
AT-MCF12SC-xx
6/12 channel 10Mbps media converter, TX to multi-mode fiber (SC)

Where xx =
10 for U.S. power cord
20 for no power cord
30 for U.K. power cord
50 for Europe power cord
80 for -48vDC power supply

AT-MCM02 Slide-in management module
AT-PWR5 Redundant power supply
AT-PWR7 -48vDC Redundant power supply

Product Range: Allied Telesyn's long-term focus on price/performance networking has made it a market-leading provider of LAN, WAN and MAN network systems. Advanced Layer 3 switch and router technology perfectly complements its traditional Layer 2 switch, hub, adapter card and media conversion capabilities.

USA Corporate Headquarters: 19800 North Creek Pkwy, Suite 200, Bothell, WA 98011, USA • Tel: 800.424.4284 • Fax: 425.481.3895
European Headquarters: Kon. Wilhelminaplein 13/2.10.03, 1062 HH Amsterdam, Netherlands • Tel: +31 20-346 07 00 • Fax: +31 20-346 07 10

www.alliedtelesyn.com

617-00307-00 Rev. B

Allied Telesyn
Simply connecting the IP world