MMC6000 Series

10/100/1000T over VDSL2 Mini Media and Rate Converters

Multi-Tenant Units (MTUs) such as offices and campuses, and Multiple Dwelling Units (MDUs) such as hotels and apartments are the ideal environments for MMC600x network extenders. Legacy wiring, such as Coax or phone grade RJ-11, can be used to provide broadband access to Internet services, including video streaming, gaming and e-mail.

Extended Ethernet Operation

Used in pairs, Allied Telesis MMC6000 Series media converters provide up to 150Mbps (MMC6005) or 300Mbps (MMC6006) total bandwidth over legacy wiring at distances up to 3km.

Standard Ethernet operation is preserved end-to-end, retaining VLAN tags and Ethernet MAC information across the link, while higher layer protocols are passed transparently.

MTU and MDU Applications

Multi-Tenant Units (MTUs) such as offices and campuses, and Multiple Dwelling Units (MDUs) such as hotels and apartments are ideal for MMC6000 Series network extenders. Legacy wiring, such as Coax or phone grade RJ-11, can be used to provide broadband access to Internet services, including video streaming, gaming and e-mail.

There is no need to rewire premises with expensive cabling to provide broadband Ethernet services.

Standalone and Rack-Mount

The Allied Telesis MMC6000 Series is available as a compact, standalone unit for installation at the central office, or can be rack-mounted in a standard Allied Telesis MMCR18 chassis. The MMCR18 is capable of housing up to eighteen units in one compact chassis, and features a redundant power supply to simplify wiring and minimize space requirements.

Plug and Play Operation

Simply connect to the RJ-45 Ethernet port and the unit will automatically auto-sense and configure for 10/100/1000T, as well as full- or half-duplex Ethernet operation.

Key Features

▶ Up to 150Mbps (MMC6005) or 300Mbps (MMC6006) bidirectional VDSL operation up to 3 km or 10,000 ft

▶ Can function as a subscriber or provider by flipping a switch

▶ Supports both fast mode and interleave mode

▶ MMC6005 Operates over category 1, 2, 3 or 5 telephone-quality cabling

▶ MMC6006 operates over Coax cabling

▶ 10/100/1000T Ethernet Port

▶ Auto MDI/MDI-X

▶ System, Ethernet and VDSL LEDs

▶ Configurable via DIP switches

▶ Standalone and rack-mountable

▶ Wall-mountable using optional WLMT bracket

▶ Compact form factor

▶ Both symmetrical and asymmetrical operation

▶ Metal chassis

Specifications

Product Specifications

DMT modulation
Half-/full-duplex
Auto-negotiation
Auto MDI/MDI-X
BNC VDSL2 port (MMC6006)
RJ11 Port (MMC6005)
RJ45 Ethernet port

Speed/Distance

Up to 150Mbps (MMC6005) or 300Mbps (MMC6006)
bidirectional VDSL operation up to 3 km or 10,000 ft
(Subject to Cable type/environment)

Front Panel Indicators

System Power
Ethernet Link/Activity
Ethernet Duplex/Collision
VDSL Status

Interface Connections

RJ-11   MMC6005
BNC   MMC6006
RJ45
Management via 4-pin DIP switch

Physical Characteristics

Dimensions (W × D × H):	50.8 mm x 99.1 mm x 20.3 mm (2.0 in x 3.9 in x 0.8 in)
Weight	0.2 kg (0.4 lb)
Mounting	Tabletop and rack-mountable (requires MMCR18 chassis)

Environmental Specifications

Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Operating Humidity	5% to 90% non-condensing
Storage Humidity	5% to 95% non-condensing
Operating Altitude Range	Up to 3,000 m (9,843 ft)

Power Characteristics

External power supply	100-240VAC, 50/60Hz
Input supply voltage	12vDC
Max current	300mA
Power consumption	3W

Approvals

UL 1950
CSA
EN 55032 class B
EN 60950 (TUV)
EN 50082-1

Ordering Information

AT-MMC6005-60
10/100/1000T over VDSL2 (RJ-11) Mini Media and
Rate Converters, Multi Country Power Adapter

AT-MMC6006-60
10/100/1000T over VDSL2 (BNC) Mini Media and
Rate Converters, Multi Country Power Adapter

NETWORK SMARTER

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