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Find the *Allied Telesis CentreCOM AT-MC12T* at our website: ***Click HERE***

The CentreCOM AT-MC12T Media Converter User's Guide

Overview

The Allied Telesyn AT-MC12T is used in addition to a transceiver (MAU) to convert another Ethernet physical layer to 10BASE-T. It is connected to a transceiver of the required conversion type. The power adapter supplies power to the AT-MC12T and to the attached transceiver.

Table 1: Possible Media Conversion

	Transceiver (MAU)	Conversion Type
MC12T	MX40F, MX55F, MX50 (10BASE-FL MAU)	UTP—Fiber Optic
MC12T	MX10S (10BASE2 MAU)	UTP—Thin Coax

MDI/MDI-X Switch

The MDI/MDI-X switch located on the side of the unit, is a straight-through crossover cable selection switch. It enables the 10BASE-T (RJ45) port to be connected to a repeater or to a DTE without using a special crossover cable.

The default setting of the switch is MDI-X, which means you can connect the 10BASE-T port to a workstation or to any other DTE that uses a straight-through cable. In the MDI configuration, slide the switch to the MDI side and you can connect the 10BASE-T port to a repeater/hub/concentrator using a straight-through cable.

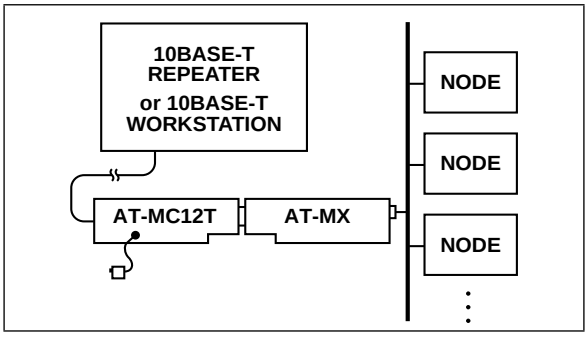


Figure 1: Typical Configuration

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Table 2: RJ45 Pinout

RJ45—MDI Pinout		RJ45—MDI-X Pinout	
Pin	**Signal**	**Pin**	**Signal**
1	TD+	1	RD+
2	TD-	2	RD-
3	RD+	3	TD+
6	RD-	6	TD-
4, 5, 7, 8	N/A	4, 5, 7, 8	N/A

NOTE

The transceiver (MAU) attached at the AUI connector must have the SQE (heartbeat) test disabled for proper operation.

LED Explanation

There are four LEDs next to the 10BASE-T port of the MC12T

Table 3: LED Guide

LED Name	Meaning When LED Is Lighted
PWR	Indicates power is applied
LNK	Indicates link is established
ACT	Indicates data is received on RJ45 or AUI port
COL	Indicates a collision is detected on RJ45 or AUI port

Power Requirements

The AT-MC12T draws power from the wall-mount AC-DC power adapter attached at its DC jack. ATI supplies the TUV/UL/CSA licensed safety compliant AC power adapter for the 120 and 240 VAC versions with an unregulated output of 12 VDC at 1A. The power required for the AT-MC12T is:

12 to 18 VDC, 700 mA

Installing the AT-MC12T

1. Choose the correct switch settings for the AT-MC12T and the attached transceiver.
2. Make sure that the SQE test is OFF.
3. Plug the AT-MC12T onto the 15-pin male connector on the transceiver or on the AUI cable.
4. Slide the connector latch in place.
5. Connect the power adapter to the AT-MC12T and then to an AC outlet.

Warranty

The AT-MC12T Media Converter has a lifetime warranty. The power supply has a one year warranty.

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Electrical Safety and Installation Requirements

RADIATED ENERGY

U.S. Federal Communications

Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with this instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Note: Modifications or changes not expressly approved of by the manufacturer or the FCC, can void your right to operate this equipment.

Canadian Department of Communications

This Class A digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

STANDARDS: This product meets the following standards

RFI EmissionEN55022 Class A

WARNING: In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Immunity EN50082-1

Electrical Safety EN60950, UL1950, CSA 950

SAFETY

LIGHTNING DANGER

DANGER: DO NOT WORK on equipment or CABLES during periods of LIGHTNING ACTIVITY.

Operating temperature

This product is designed for a maximum ambient temperature of 40 degrees C.

Environmental Air Notice

Caution: UL listed for use in other Environmental Air Spaces in Accordance with Article 300-22(C) of the U.S.A National Electrical Code. Note: Product is not Plenum rated.

All Countries: Install product in accordance with local and National Electrical Codes.

NORMEN: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

Hochfrequenzstörung EN55022 Klasse A

WARNUNG: Bei Verwendung zu Hause kann dieses Produkt Funkstörungen hervorrufen. In diesem Fall müßte der Anwender angemessene Gegenmaßnahmen ergreifen.

Störsicherheit EN50082-1

Elektrische Sicherheit EN60950, UL1950, CSA 950

SICHERHEIT

GEFAHR DURCH BLITZSCHLAG

GEFAHR: Keine Arbeiten am Gerät oder an den Kabeln während eines Gewitters ausführen

BETRIEBSTEMPERATUR

Dieses Produkt wurde für den Betrieb in einer Umgebungstemperatur von nicht mehr als 40° C entworfen.

Alle Länder: Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.

Radiofrekvens forstyrrelsesemission EN55022 Klasse A

ADVARSEL: I et hjemligt miljø kunne dette produkt forårsage radio forstyrrelse. Bliver det tilfældet, påkræves brugeren muligvis at tage tilstrækkelige foranstaltninger.

Immunitet EN50082-1

Elektrisk sikkerhed. EN60950, UL1950, CSA 950.

SIKKERHED

FARE UNDER UVEJR

FARE: UNDLAD at arbejde på udstyr eller KABLER i perioder med LYNAKTIVITET.

Betjeningstemperatur

Dette apparat er konstrueret til en omgivende temperatur på maksimum 40 grader C.

Alle lande: Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.

RFI Emissie EN55022 Klasse A

WAARSCHUWING: Binnenshuis kan dit product radiostoring veroorzaken, in welk geval de gebruiker verplicht kan worden om gepaste maatregelen te nemen.

Immuniteit EN50082-1

Electrische Veiligheid EN60950, UL1950, CSA 950

VEILIGHEID

GEVAAR VOOR BLIKSEMINSLAG

GEVAAR: NIET aan toestellen of KABELS WERKEN bij BLIKSEM.

Bedrijfstemperatuur

De omgevingstemperatuur voor dit produkt mag niet meer bedragen dan 40 graden Celsius.

Alle landen: het toestel installeren overeenkomstig de lokale en nationale elektrische voorschriften.

NORMES : ce produit est conforme aux normes de suivantes :

Emission d'interférences radioélectriques EN55022 Classe A

MISE EN GARDE : dans un environnement domestique, ce produit peut provoquer des interférences radioélectriques. Auquel cas, l'utilisateur devra prendre les mesures adéquates.

Immunité EN50082 -1

Sécurité électrique EN60950, UL1950, CSA 950

SÉCURITÉ

DANGER DE FOUDRE

DANGER : NE PAS MANIER le matériel ou les CÂBLES lors d'activité orageuse.

TEMPÉRATURE DE FONCTIONNEMENT

Ce matériel est capable de tolérer une température ambiante maximum de 40 degrés Celsius.

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Pour tous pays : Installer le matériel conformément aux normes électriques nationales et locales.

Radioaaltojen häirintä EN55022 Luokka A
VAROITUS: Kotiolosuhteissa tämä laite voi aiheuttaa radioaaltojen häiröitä, missä tapauksessa laitteen käyttäjän on mahdollisesti ryhdyttävä tarpeellisiin toimenpiteisiin.
Kestävyys EN50082-1
Sähköturvallisuus EN60950, UL1950, CSA 950
TURVALLISUUS
SALAMANISKUVAARA
HENGENVAARA: ÄLÄ TYÖSKENTELE laitteiden tai KAAPELEIDEN KANSSA SALAMOINNIN AIKANA.
KÄYTTÖLÄMPÖTILA
Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 40°C.
Kaikki maat: Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.

Emissione RFI (interferenza di radiofrequenza) EN55022 Classe A
AVVERTENZA: in ambiente domestico questo prodotto potrebbe causare radio interferenza.
In questo caso potrebbe richiedersi all'utente di prendere gli adeguati provvedimenti.
Immunità EN50082-1
Sicurezza elettrica EN60950, UL1950, CSA 950
NORME DI SICUREZZA
PERICOLO DI FULMINI
PERICOLO: NON LAVORARE sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALESCHE.
Temperatura di funzionamento
Questo prodotto è concepito per una temperatura ambientale massima di 40 gradi centigradi.
Tutti i paesi: installare il prodotto in conformità delle vigenti normative elettriche nazionali.

RFI stråling EN55022 Klasse A
ADVARSEL: Hvis dette produktet benyttes til privat bruk, kan produktet forårsake radioforstyrrelse. Hvis dette skjer, må brukeren ta de nødvendige forholdsregler.
Immunitet EN50082-1
Elektrisk sikkerhet EN60950, UL1950, CSA 950
SIKKERHET
FARE FOR LYNNEDSLAG
FARE: ARBEID IKKE på utstyr eller KABLER i TORDENVÆR.
Driftstemperatur
Dette produktet er konstruert for bruk i maksimum romtemperatur på 40 grader celsius.
Alle land: Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.

Emissão de interferência de radiofrequência EN55022 Classe A
AVISO: Num ambiente doméstico este produto pode causar interferência na radiorrecepção e, neste caso, pode ser necessário que o utente tome as medidas adequadas.
Imunidade EN50082-1
Segurança Eléctrica EN60950, UL1950, CSA 950
SEGURANÇA
PERIGO DE CHOQUE CAUSADO POR RAIO
PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis a QUEDAS DE RAIO.
TEMPERATURA DE FUNCIONAMENTO
Este produto foi projetado para uma temperatura ambiente máxima de 40 graus centígrados.
Todos os países: Instale o produto de acordo com as normas nacionais e locais para instalações elétricas.

Emisión RFI EN55022 Clase A
ADVERTENCIA: en un entorno doméstico, este producto puede causar radiointerferencias, en cuyo caso, puede requerirse del usuario que tome las medidas que sean convenientes al respecto.
Inmunidad EN50082-1
Seguridad eléctrica EN60950, UL1950, CSA 950
SEGURIDAD
PELIGRO DE RAYOS
PELIGRO: NO REALICE NINGUN TIPO DE TRABAJO O CONEXION en los equipos o en LOS CABLES durante TORMENTAS ELECTRICAS.
Temperatura requerida para la operación
Este producto está diseñado para una temperatura ambiental máxima de 40 grados C.
Para todos los países: Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.

Radiostörning EN55022 Klass A
VARNING: Denna produkt kan ge upphov till radiostörningar i hemmet, vilket kan tvinga användaren till att vidtaga erforderliga åtgärder.
Immunitet EN50082-1
Elsäkerhet EN60950, UL1950, CSA 950
SÄKERHET
FARA FÖR BLIXTNEDSLAG
FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.
DRIFTSTEMPERATUR
Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.
Alla länder: Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.

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