



*The CentreCOM
AT-MX40F/SM Single Mode
Micro Ethernet Transceiver Installation Guide*

Overview

ATI supports all common Ethernet media with Micro Transceivers for thin coax (10Base2), UTP (10Base-T) and fiber optic (10Base-FL, FOIRL) LAN systems. The transceivers support a single AUI that attaches directly to the AUI 15-pin connection found on most Ethernet stations (DTEs).

Preparation

An SQE Test switch is available to provide IEEE 802.3 Ethernet SQE Testing. ATI ships transceivers with the SQE Test/heartbeat disabled as the default. Before you install the product, consult your DTE's documentation to determine if you need to enable or disable this function.

Installation

1. Install the AT-MX40F/SM Micro Ethernet Transceiver directly to the DTE or workstation AUI port. If you use an AUI drop cable, make sure it is not longer than 50m (164 ft.).
2. Select SQE Test /Heartbeat function ON or OFF depending on the DTE requirements.
3. Disable the SQE Test function if a transceiver is connected to an Ethernet repeater.
4. Connect the fiber optic cable to the ST connector.

NOTE

Ensure that the Transmit connector on one side of fiber optic cable goes to the Receive connector on the fiber optic device at the opposite end of the link.

Maximum fiber optic links for this single mode are 15km (9 miles).

LED Explanation

The AT-MX40F/SM provides diagnostic and status information, as shown in the following LED table.

Table 1: LED Guide

PWR	Indicates power is applied
TX	Indicates data is transmitted
LNK	Indicates link is established
RX	Indicates data is received
COL	Indicates a collision is detected
JBR	Identifies failed logic or circuits

STANDARDS: This product meets the following standards.

Declaration Of Conformity

Complies with FCC Part 15B, Class B Limits:
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment, generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Canadian Department of Communications

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.
Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

RFI Emission	EN55022 Class B
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 50 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.

This is a "CLASS 1 LED PRODUCT."

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

NORMEN: Dieses Produkt erfüllt die Anforderungen der nachfolgenden Normen.

Hochfrequenzstörung	EN55022 Klasse B
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 50° C entworfen.



Das ist ein "LED Produkt der Klasse 1."
Alle Länder: Installation muß örtlichen und nationalen elektrischen Vorschriften entsprechen.



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 50 grader C.



Dette er et "Produkt under Klasse 1 LED."
Alle Lande: Installation af produktet skal ske i overensstemmelse med lokal og national lovgivning for elektriske installationer.



VEILIGHEID
GEVAAR VOOR BLIKSEMINSLAG
GEVAAR: NIET aan tostellen of KABELS WERKEN bij BLIKSEM.



Bedrijfstemperatuur:
De omgevingstemperatuur voor dit product mag niet meer bedragen dan 50 graden Celsius.



Dit is een "Klasse 1 LED-product."
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 B
Immunité	EN50082 - 1
Sécurité électrique	EN60950, UL1950, CSA 950



SECURITE

DANGER DE Foudre

DANGER: NE PAS MANIER l'équipement ou les CABLES pendant les périodes d'activité orageuse.



TEMPERATURE DE FONCTIONNEMENT

Ce produit est capable de tolérer une température ambiante maximum de 50 degrés Celsius.

Ce produit est un « **Produit à diode électroluminescente de class 1.** »



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



TURVALLISUUS

SALAMANISKUVAARA

HENGENVAARA: ÄLÄ TYÖSKENTELE laitteiden tai KAAPELEIDEN KANSSA SALAMOINNIN AIKANA.



KÄYTTÖLÄMPÖTILA

Tämä tuote on suunniteltu ympäröivän ilman maksimilämpötilalle 50°C.

Tämä on "ensimmäisen luokan valodiodituote."



Kaikki maat: Asenna tuote paikallisten ja kansallisten sähköturvallisuusmääräysten mukaisesti.



NORME DI SICUREZZA

PERICOLO DI FULMINI

PERICOLO: NON LAVORARE sul dispositivo o sui CAVI durante PRECIPITAZIONI TEMPORALESCHÉ.



Temperatura di funzionamento

Questo prodotto è concepito per una temperatura ambientale massima di 50 gradi centigradi.

Questo è un "Prodotto con LED di Classe I."



Tutti i paesi: installare il prodotto in conformità alle vigenti normative elettriche nazionali.



SIKKERHET

FARE FOR LYNANTENNELSE

FARE: MÅ IKKE BRUKES på utstyr eller ledninger mens LYN-AKTIVITET er i gang.



Drifttemperatur

Denne produktet har blitt fremstilt til bruk med maksimum romtemperatur på 50 grader celsius.

Denne er et "Klasse en LED produkt."



Alle land: Produktet må installeres i samsvar med de lokale og nasjonale elektriske koder.



SEGURANÇA

PERIGO DE CHOQUE CAUSADO POR RAI

PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis de QUEDAS DE RAI.



TEMPERATURA DE FUNCIONAMENTO

Este produto foi projetado para uma temperatura ambiente máxima de 50 graus centígrados.

Este é um "Produto Classe 1 LED."



Todos os países: Instale o produto de acordo com as normas federais e locais para instalações elétricas.



SEGURIDAD

PELIGRO DE RAYOS

PELIGRO: NO REALICE NINGUN TIPO DE TRABAJO O CONEXION en los equipos o en LOS CABLES durante TORMENTAS DE RAYOS.



Temperatura requerida para la operación

Este producto está diseñado para una temperatura ambiental máxima de 50 grados C.

Este es un "producto de diodo luminiscente (LED) clase 1."



Para todos los países: Monte el producto de acuerdo con los Códigos Eléctricos locales y nacionales.



SÄKERHET

FARA FOR BLIXTNEDSLAG

FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVADER.



DRIFTSTEMPERATUR

Denna produkt är konstruerad för rumstemperatur ej överstigande 50 grader Celsius.

Den är en "Klass 1 lysdiodprodukt."



Alla länder: Installera produkten i enlighet med lokala och statliga bestämmelser för elektrisk utrustning.





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