

**Driftstemperatur**

Dette produktet har blitt fremstilt til bruk med maksimum romtemperatur på 40 grader celsius.



Dette 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 RAI0**

PERIGO: NÃO TRABALHE no equipamento ou nos CABOS durante períodos suscetíveis de QUEDAS DE RAI0.

**TEMPERATURA DE FUNCIONAMENTO**

Este produto foi projetado para uma temperatura ambiente máxima de 40 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 40 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 FÖR BLIXTNEDSLAG**

FARA: ARBETA EJ på utrustningen eller kablarna vid ÅSKVÄDER.

**DRIFTSTEMPERATUR**

Denna produkt är konstruerad för rumstemperatur ej överstigande 40 grader Celsius.



Detta är en "**Klass 1 lysdiodprodukt.**"

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

For more information on ATI products available today and in the future, contact your local ATI representative:

Office:	USA	Germany	U.K.
Phone:	(415)964-2771	030-435-9000	865-390-001
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CentreCOM
AT-MX80F and AT-MX90F Fiber Optic
Micro Transceiver User Manual

Overview

ATI's Micro Transceiver Series of products are direct-attach IEEE 802.3 and Ethernet Version 1.0 and 2.0 devices. 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 AAUI that attaches directly to the AAUI 14 pin connection found on most Apple Macintosh® Ethernet stations (DTEs).

All ATI transceivers are equipped with LEDs providing status and diagnostic information. LEDs make LAN installation and troubleshooting easy for the installer. An easily accessible, user-selectable SQE Test switch (heartbeat) is also provided on all models. ATI uses quality product packaging for increased reliability. ATI shows a high level of confidence in the micro transceiver products with a lifetime limited warranty.

Preparation

An SQE Test switch provides IEEE 802.3 Ethernet SQE Testing. Enable the SQE Test function by placing switch to "ON" when in use with Ethernet workstations or whenever a repeater is not connected to the AAUI port. Disable the SQE Test/Heartbeat function by placing switch to "OFF" when attaching the AAUI cable to an Ethernet repeater, to eliminate the possibility of excessive collisions. "OFF" is the default setting.

Caution: When working with fiber optic transmitters, eye damage may result if precautions are not taken. Hazardous light emissions may exist in fiber optic systems. Never look into a transmitting fiber optic device: transceiver, repeater, or cable.

Installation

Install the AT-MX80F or AT-MX90F directly to the Apple Macintosh DTE or workstation AAUI port. Plug into the 14-pin AAUI connection on the DTE. When properly installed, the connector will latch into place. Select SQE Test/Heartbeat function "ON" or "OFF" depending on the DTE requirements. Disable the SQE Test function if a transceiver is connected to an Ethernet repeater. Connect the fiber optic connectors to ST (MX80F) or SMA-style (MX-90F) connectors. Ensure that the transmit connector on one side of link goes to the receive connector on the fiber optic device at the opposite end of the link. Maximum linkage distances permissible are 2000 meters (6556 ft.) for 10BASE-FL or 1000 meters (3278 ft.) for FOIRL. The AT-MX80F and AT-MX90F provide diagnostic and status information with Transmit, Receive, Collision, Link Monitor and Jabber LEDs. These transceivers have Loopback function and built-in Jabber timer.

Vorbereitung

Um einen SQE-Test (Heartbeat) gem. IEEE 802.3 Ethernet durchführen zu können, steht ein entsprechender Schalter zur Verfügung. Ist über den AAUI Port eine Workstation angeschlossen, können Sie diese Testfunktion aktivieren, indem Sie SW1 auf "ON" stellen. Ist jedoch ein Repeater mit dem AAUI Port verbunden, sollte die SQE-Test / Heartbeat Funktion ausgeschaltet sein, indem SW1 auf "OFF" geschaltet wird.

Achtung: Beim Arbeiten mit Fiber Optic Systemen müssen die Augen geschützt werden. Sehen Sie niemals in das übertragende Fiber Optic Gerät (Transceiver, Repeater oder Kabel), es können gefährliche Lichtemissionen auftreten.

Installation

Der AT-MX80F/90F wird direkt am AAUI Port des Endgerätes bzw. der Workstation installiert. Wird ein AAUI Kabel benutzt, darf es die Länge von 50 m (164 ft) nicht überschreiten. Wählen Sie jetzt die SQE Test/Heartbeat Funktion entsprechend Ihren Anforderungen (ON bzw. OFF). Wählen Sie die "OFF"-Stellung, wenn ein Repeater mit dem Transceiver verbunden ist. Verbinden Sie die ST bzw. SMA Stecker mit den Lichtwellenleitern. Vergewissern Sie sich, daß der Transmitterstecker auf der einen Seite mit dem Receiverstecker des FO Gerätes auf der anderen Seite der Leitung verbunden ist. Fiber Optic Verbindungstrecken dürfen bis 2000 m 10BASE-FL/1000 m (3278 ft.) FOIRL. lang sein. Der AT-MX80F/90F zeigt Diagnose- und Statusinformationen mit Transmit, Receive, Collision, Link und Jabber LEDs vor. Die Transceiver verfügen über eine Loopback Funktion und einen internen Jabber Timer.

Allied Telesyn Limited Warranty

Allied Telesyn (ATI) warrants to the original consumer/purchaser that this product, and all components thereof will be free from defects in materials and/or workmanship for the lifetime of the product. Any warranty hereunder is extended to the original consumer/purchaser and is not assignable.

In the event of a malfunction or other indication of product failure attributable directly to faulty workmanship and/or materials, ATI will, at its option, repair or replace the defective products or components at no additional charge as set forth herein. Repair or replacement product will be furnished on an exchange basis and will be either reconditioned or new at the option of ATI. All replacement parts become the property of ATI. This limited warranty does not include service or repair damage to the product resulting from accident, disaster, misuse, neglect or modification of the product.

Service under this warranty may be obtained by returning the product to ATI, and only after receiving authorization by ATI by issuance of a Return Material Authorization (RMA) number, with shipping charges prepaid, in the original shipping container or like container, and with proof of date of purchase included with the returned product. The RMA number MUST be marked clearly visible on the outside of the shipping container. Any material returned without such RMA markings shall be rejected and returned to sender unopened.

Products will be returned to the consumer after repair or replacement has been completed and by the carrier and method of delivery chosen by ATI, to any destination within the United States of America. If the consumer desires some other specific form of conveyance, or it is located beyond the U.S.A. borders, then the customer shall bear the cost of the return shipment.

ATI MAKES NO EXPRESS OR IMPLIED WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT AS EXPRESSLY SET FORTH IN THIS WARRANTY. IN NO EVENT SHALL ATI BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES, COSTS, OR EXPENSES ARISING OUT OF OR IN CONNECTION WITH THE USE OR PERFORMANCE OF THE PRODUCT DELIVERED HEREUNDER.

Some governments do not allow the exclusion or limitation of incidental or consequential damages for consumer products, so the above limitation of exclusion may not apply to you.

U.S. FEDERAL COMMUNICATIONS COMMISSION

Note: This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the 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 the 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.

CANADIAN DEPARTMENT OF COMMUNICATIONS

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Lé présent appareil numérique n'émet pas de bruits radio électriques dépassent les limites applicables aux appareils numériques de Classe A prescrites dans le règlement sur le brouillage radio électrique édicté par le ministère des Communications du Canada.

UNDERWRITERS LABORATORIES

Caution: U.L. listed for use in other Environmental Air Spaces in Accordance with Article 300-22 (c) of the U.S.A. National Electrical Code. (Product is not Plenum Rated.) These products have to be installed in accordance with Local and National Electrical Codes.



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.



This is a "**CLASS 1 LED PRODUCT.**"

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



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.

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 40 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 toestellen of KABELS WERKEN bij BLIKSEM.



Bedrijfstemperatuur:

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



Dit is een "Klasse 1 LED-produkt."

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

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 40 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 40°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 TEMPORALESCE.



Temperatura di funzionamento

Questo prodotto è concepito per una temperatura ambientale massima di 40 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 LYNAKTIVITET

FARE: MÅ IKKE BRUKES på utstyr eller ledninger mens LYNAKTIVITET er i gang.