

Async Fiber Optic Mini Modem

The handy drivers for
multimode transmissions
up to 3.2 kilometers.



FEATURES

- » Operate half- or full-duplex over safe, secure multimode fiber optic cable.
- » Async transmissions at speeds up to 19.2 kbps.
- » Send data up to 3.2 kilometers (2 mi.) regardless of data rate.
- » Powered from the RS-232 interface.
- » Transfer one control signal end-to-end.
- » Switch-selectable DCE/DTE.
- » FFWARRANTY — 1 Year

OVERVIEW

When you need to connect full- or half-duplex async computers and terminals, choose the [Async Fiber Optic Mini Modem](#). A pair of these modems can drive data over multimode fiberoptic cable up to 2 miles (more than 3 km) at data rates up to 19.2 Kbps.

Special circuitry allows the modem to operate without external power, by deriving ultra-low power from the DTE data and control signals on the interface.

Two models are available:

- [Async Fiber Optic Mini Modem](#) with (2) fiberoptic ST connectors and (1) DB25 female connector (part number ME605A-FST)
- [Async Fiber Optic Mini Modem](#) with (2) fiberoptic ST connectors and (1) DB25 male connector (part number ME605A-MST)

And you can configure the modem for continuous or controlled carrier to suit your application.

Setting the modem for DCE or DTE operation is a breeze, too. Simply move the handy DCE/DTE switch to the desired position.

NOTE: Must be used in pairs.

TECH SPECS

Speed — Up to 19.2 Kbps

Distance — Up to 2 miles (3 km) over multimode fiberoptic cable

Pulse Width Distortion — Less than 25%

Transmission Line — Duplex optical cable

Transmission Mode — Asynchronous, full- or half-duplex

Transmission Controls — Carrier constantly on or controlled by RTS

Optical Output Levels — -28 dBm into 100/140 fiber;

-32 dBm into 62.5/125 fiber; -36 dBm into 50/125 fiber

Receiver Sensitivity — -45 dBm

Operating Wavelength — 850 nm

CE Approval — Yes

RoHS — Yes

Connectors — ME605A-FST: (1) DB25 female, (2) ST;

ME605A-MST: (1) DB25 male, (2) ST

Indicators — (1) Data Transmit LED

Temperature — 32 to 122° F (0 to 50° C)

Humidity — Up to 90%, noncondensing

Power — Derives ultra-low power from the DTE data and control signals

Size — 0.7"H x 2.1"W x 3.1"D (1.8 x 5.3 x 7.8 cm)

Weight — 1.3 oz. (36 g)

Typical Application

Connect an async computer to an async terminal via a pair of Async Fiber Optic Mini Modems.

Technically Speaking

Switch-selectable DTE/DCE

The Async Fiber Optic Mini Modem features a switch-selectable DTE/DCE option. This allows operation as DTE, for connection to another DCE such as a multiplexor port, eliminating the need for a cross cable.

Continuous or switched operation

The carrier can be strapped for either continuous operation or switched operation, controlled by the RTS signal, for transfer of a control signal end-to-end.

Item

Code

Async Fiber Optic Mini Modem

FST

MST

ME605A-FST

ME605A-MST