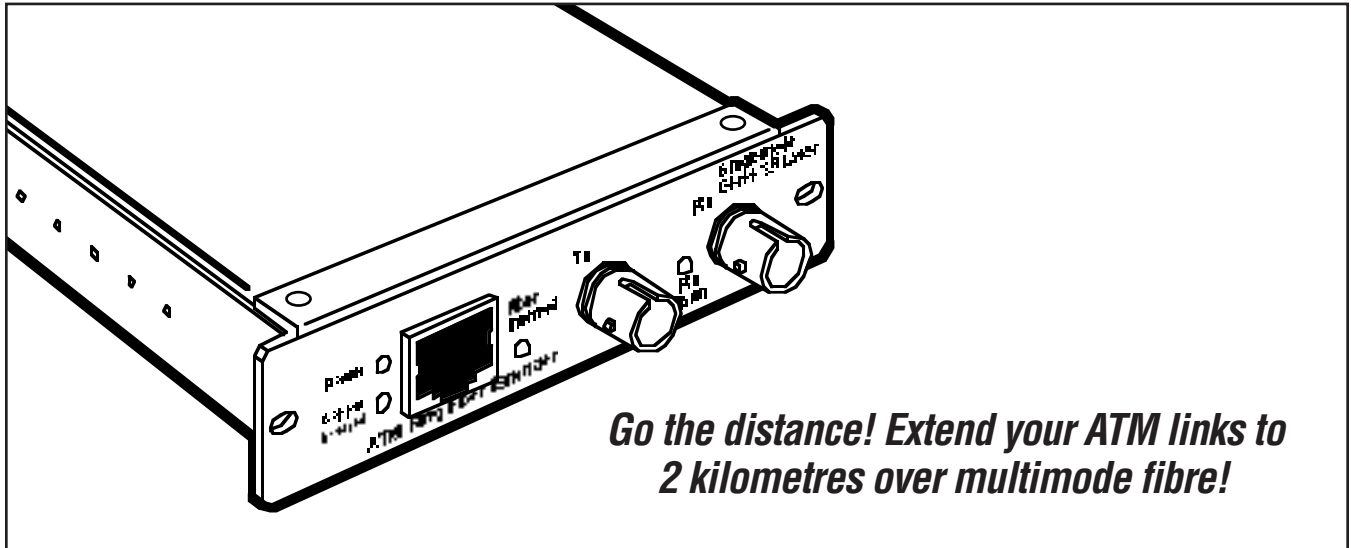




BLACK BOX[®]

NETWORK SERVICES

CampusLIGHT™ ATM 25.6-Mbps Fibre Extender



Key Features

- ▶ **Link ATM stations, hubs, and switches over multimode fiber runs up to 2 kilometres long.**
- ▶ **Designed for ATM 25.6-Mbps and fully-compliant devices.**
- ▶ **An economical choice for copper-to-fibre conversion.**
- ▶ **Wide range of applications, from remote server connection to fibre to-desktop networks.**
- ▶ **Rackmountable.**

With the CampusLIGHT™ ATM 25.6-Mbps Fibre Extender, you can convert copper cable to multimode fibre—and extend ATM links over a mile! Copper links can be up to 100 metres (328 feet), and fibre runs can be as long as 2 kilometres (1.2 miles)! This CampusLIGHT extender is ideal for interconnecting ATM 25.6-Mbps workstations, hubs, servers, and switches.

The extender's small size and standard ST[®] connectors make it easy to install and use. The autosensing copper port has an RJ-45 connector and allows connection to 100-ohm Category 5 unshielded twisted-pair (UTP) or 150-ohm Type 1 or 6 shielded twisted-pair (STP) cable.

The CampusLIGHT ATM 25.6-Mbps Fibre Extender is designed for use in desktop, workgroup, and fibre-to-desktop architectures. Use it to create a

multimedia network across large sites or multiple buildings. Or implement a complete ATM 25.6-Mbps fibre-to-desktop cabling system.

In a typical application, you can connect a remote workstation or node up to 2.2 kilometers from a workgroup switch. Simply connect your remote node to a CampusLIGHT extender via UTP or STP, run up to 2 kilometres (1.2 miles) of multimode fibre to a second extender, and link that extender to the workgroup switch using UTP or STP. If you need to connect two switches instead, the same configuration applies.

This extender provides the high-performance benefits of fibre networking in an economical, easy-to-install package. It's UL[®] and CE approved and complies with FCC (Class A, Part 15, Subpart J) guidelines.

The CampusLIGHT ATM 25.6-Mbps Fibre Extender features a 12-VDC adapter, but optional 90- to 264-VAC and 48-VDC rackmountable power supplies are available. The unit is also rackmountable in the CampusLIGHT Power Rack. You can rack 4 or 16 units in just 1U or 3U of rack space. Or wallmount an individual unit and its power supply. For more information about the power and mounting options, request FaxBack 22866.

Specifications

Bit Error Rate — 1 in 109 maximum

Cable — Fibre: 50-125 µm and 62.5/125 µm multimode;
Copper: UTP: 100-ohm Category 5; STP: 150-ohm Type 1, 6

Data Rate — 25.6 Mbps

Drive Distance — Fibre: 2 km over 62.5/125 µm multimode;
Copper: 100 m (328 ft.), nominal

Fault Recovery Time — < 1 ms (millisecond)

Humidity — Maximum 95% non-condensing

Interoperability — Supports ATM 25.6 NICs, concentrators, switches, and hubs

Optical Safety — Class 1 AEL

Optical Interface —
Transmit power: -15 dBm, typical (62.5/125, 0.26 NA);
Receive sensitivity: -32 dBm,

minimum;
Power Budget: 17 dB, typical

Pinout —
UTP: Tx+ 7, Tx- 8, Rx+ 1, Rx- 2;
STP: Black 1, Red 7, Green 8, Orange 2

Temperature —
Operating: 0 to 40° C (32 to 104° F);
Storage: -20 to +70° C (-4 to +158° F)

Connectors — (2) ST[®], (1) RJ-45

Indicators — LEDs: (1) Power, (1) Fibre Inserted, (1) Copper Inserted, (1) RX Alarm

Power — 12-VDC adapter (optional 90- to 264-VAC and 48-VDC 1 9" rackmountable power supplies available)

Size — 3.5H x 10W x 14D cm (1.4"H x 3.9"W x 5.5"D)

Weight — 1.5 kg

Ordering Information

ITEM	CODE
CampusLIGHT™ ATM 25.6-Mbps Fibre Extender Multimode/ST	LCL113A-ATM
Optional Rackmountable Power Supply 90- to 264-VAC.....	PS500E
48-VDC.....	LCL100-PS48
<i>To rackmount or wallmount your extender...</i>	
CampusLIGHT Power Rack.....	Request Faxback 22866