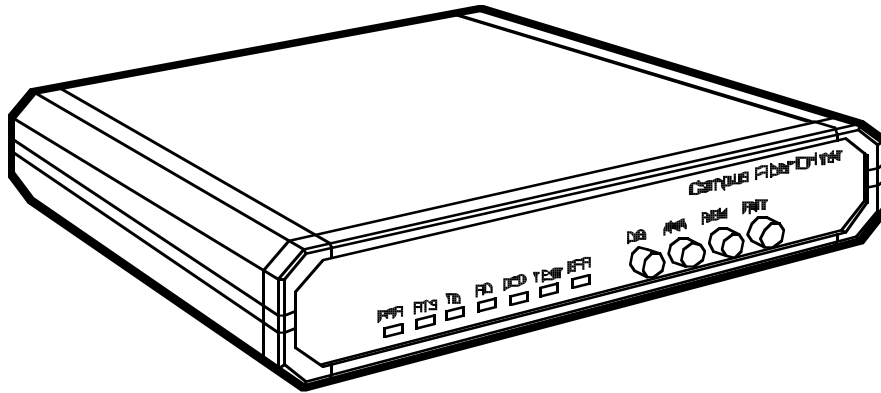




BLACK BOX®

NETWORK SERVICES

Campus Fiber Drivers



The Fiber Driver that has the POWER! Send your data up to 31 miles (50 km) away. Or send it as fast as a scorching 2.048 Mbps!

Key Features

- ▶ Choose from 12 selectable sync data rates, from 56 Kbps to 2.048 Mbps.
- ▶ Transmit up to 3.1 miles (5.0 km) with the ME550 models, up to 12.4 miles (20 km) with the ME551 models, and up to 31 miles (50 km) with the ME552 laser models!
- ▶ Three clocking modes.
- ▶ Recover jitter-free data and clock with Phase Locked Loop circuit.
- ▶ Perform digital loopbacks with V.35 models.
- ▶ Test your link from end to end.
- ▶ Three different optical interfaces available.
- ▶ All the security of fiber.

Overview

Many fiberoptic modems have the speed. But can they go the distance for data transmissions? The BLACK BOX® Campus Fiber Drivers can—up to an incredible 31 miles (50 km)!

Get the security of fiber to connect computers, routers, muxes, and other data-communication devices. And you can select the speed you need, too. The Campus Fiber Drivers operate at 12 selectable sync data rates, from 56 Kbps to a lickety-split 2.048 Mbps.

The Fiber Drivers feature three clocking modes for maximum flexibility: Internal, External DTE, and Receive Loopback. And they utilize a Phase Locked Loop (PLL) circuit to recover jitter-free data and clock from the optical signal.

Powerful stuff. And with the V.35 models, that's just the beginning.

All V.35 Campus Drivers feature V.54 diagnostics—perfect for local analog and digital loopbacks as well as remote digital loopbacks. Loopback commands are

controlled either by a manual switch or the DTE signals.

A front-panel switch generates an internal pseudo-random test pattern (511 bits) for testing end-to-end connectivity. Whenever a bit error is detected, the Campus Driver's Error LED flashes.

The Campus Drivers operate with several grades and sizes of fiberoptic cable and come with your choice of

three different optical interfaces: an 850-nm LED for multimode, a 1300-nm LED for single-mode, and a 1300-nm laser for single-mode.

Immunity is provided against EMI/RFI, spikes, and differential ground loops. Protection is provided against surges, and a secure link can be maintained in a noisy environment.

Ordering Information

PRODUCT NAME	ORDER CODE
Campus Fiber Drivers	
V.35/850 nm	ME550A-35
V.35/850 nm	ME550AE-35
X.21/850 nm	ME550A-X21
X.21/850 nm	ME550AE-X21
V.35/1300 nm	ME551A-35
V.35/1300 nm	ME551AE-35
X.21/1300 nm	ME551A-X21
X.21/1300 nm	ME551AE-X21
V.35/1300 nm/Laser	ME552A-35
V.35/1300 nm/Laser	ME552AE-35
X.21/1300 nm/Laser	ME552A-X21
X.21/1300 nm/Laser	ME552AE-X21