



# BLACK BOX®

## NETWORK SERVICES

© 2000. All rights reserved.  
Black Box Corporation.

## LaserLink 500

*Eliminate Leased Line Rental costs.*



### Key Features

- ▶ Free Space Secure Data Transmission.
- ▶ Wire Speed Fast Ethernet (100 Mbps Ethernet).
- ▶ Industry Standard Interfaces.
- ▶ Quick installation and re-deployment.
- ▶ Direct Ethernet connection.
- ▶ Built in signal monitoring.

### Specifications

#### Connections

**LAN Interface —**  
 LWU0500-TP: UTP punch down  
 LWU0500-FO: SC Connector (1300 nm multimode fibre)

#### Management

**Indicators —** Power; Link Status; LAN Status; Received data; Dynamic signal level LED array

#### Engine (Laser)

**Light Source —** Laser Diode, 785 nm Wavelength  
**Laser diode Power —** 70mW (Class 1 eye safe)  
**Detector —** SiPIN or APD Photodiode  
**Dynamic Range —** >40dB  
**Range —** up to 500 m

### The Alternative to Leased Lines

Black Box introduces the second of our new range of Free Space Optical Communications products. These precision units provide a means of linking two sites when it is cost prohibitive to lay cable or when it is physically impossible because of infrastructure such as railways, road or rivers. Using Laser technology the units enable a secure, high speed link to be established.

### Simple To Install

Mains power and an Ethernet connection are all that is needed to get the units up and running. Even Mounting Brackets and fixings are included. As with any Optical

system, clear line of site between locations is required but Black Box will advise on the best location and method of mounting and installing your cables at very competitive rates.

### Secure and Reliable

A major advantage of Laser based optical solutions is the inherent high security especially compared to radio links. The narrow angle of the beam makes it almost impossible to try to monitor covertly without detection. Precision engineered transmission heads also ensure reliable connection even in adverse weather conditions.

## Ordering Information

Item	Code
LaserLink 500	
LaserLink 500 Twisted Pair Ethernet	LWU0500-TP
LaserLink 500 Multimode Fibre SC	LWU0500-FO



#81200