

LaserHop

Powered by Cablefree
Leaders in Optical Wireless Technology

LaserHop One - Product Overview

System Features

- Cost-effective 'Plug & Play' entry-level system
- Full Duplex bandwidths from 1.5Mbps to 100Mbps
- Transmits up to 170m - Class 1M Eye-safe
- Complete system including power supply & brackets
- Rugged environmental IP65 waterproof enclosure

Applications

- Short-distance Wireless LAN, Data and VOIP transport
- Remote building LAN connection
- Alternative to 802.11 radio
- Temporary Deployment



Accessory Options

Mounting Brackets	Wall, Roof, Pole or Tower mount options available
Alignment kit	Display of Local & Remote signal levels
Management Options	LaserHopManager™ software Also compatible with CableFree LinkManager™, AlarmView™, ClusterManager™, GSM modem

System Specifications

Environmental	IP65 weather-sealed unit
Power supply	options for 115V ac, 230V ac
Alignment	10-stage RSSI meter (plus optional FM audio circuit & tones, handheld test set)

System Variant	LaserHop One E1	LaserHop One T1	LaserHop One 100T	LaserHop One 100F
Performance				
Data Rate	2.048Mbps E1	1.544Mbps T1	100Mbps FE	100Mbps FE
Interface	120ohm UTP	100ohm UTP	CAT5 UTP	Multimode Fibre
Range	170m	170m	170m	170m
Bandwidth	100Mbps	100Mbps	100Mbps	100Mbps
Power Consumption	15W	15W	15W	15W
Operating Temperature	-10...+50 deg C	-10...+50 deg C	-10...+50 deg C	-10...+50 deg C
Optical				
Wavelength	780nm	780nm	780nm	780nm
Transmit Power	+10.1dBm	+10.1dBm	+10.1dBm	+10.1dBm
Beamwidth	8mRad	8mRad	8mRad	8mRad
Safety Classification	Class 1M (IEC)	Class 1M (IEC)	Class 1M (IEC)	Class 1M (IEC)
Receiver Type	PIN	PIN	PIN	PIN
Mechanical				
Dimensions (mm)	373x233x139	373x233x139	373x233x139	373x233x139
Weight	3.5kg	3.5kg	3.5kg	3.5kg