

LaserHop

Powered by Cablefree
Leaders in Optical Wireless Technology

LaserHop Two - Product Overview

System Features

- Cost-effective 'Plug & Play' entry-level system
- Full Duplex bandwidths from 1.5Mbps to 100Mbps
- Transmits up to 420m - 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 Two E1	LaserHop Two T1	LaserHop Two 100T	LaserHop Two 100F
Performance				
Data Rate	2.048Mbps E1	1.544Mbps T1	100Mbps FE	100Mbps FE
Interface	120ohm UTP	100ohm UTP	CAT5 UTP	Multimode Fibre
Range	420m	420m	420m	420m
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	5mRad	5mRad	5mRad	5mRad
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

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