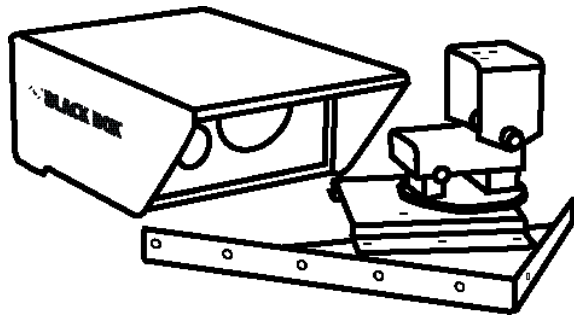




Infrared Ethernet and G703 Transceivers



At last, cost-effective infrared links!

| | | | |
|---------------------------------------|---------------------|--|---|
| Part Number | PHL807/IM | | Key Features |
| Application/ Data Protocol | | | |
| Performance | Rate | T1/E1-1.544/2.048 Mbps | <ul style="list-style-type: none"> ▶ Three transmitters per head for extra redundancy ▶ Full duplex and full speed ▶ License free ▶ Optional severe weather guard ▶ Receive meter ▶ Remote status monitor |
| | Range (1) @ 10dB/Km | 1.544/2.048 Mbps | |
| | @ 17dB/Km | 1000m | |
| | @ 30dB/Km | 750m | |
| | Bit Error Rate | 550m | |
| | MTBF | Less than 1E-9 (unfaded) | |
| Transmitter | Light Source | 8 to 10 years | |
| | Wave Length | 3 LEDs | |
| | Output Power | 850 nm | |
| | Beam Divergence | 3.3 mW | |
| Receiver | Detector | 2.8 mrad | |
| | Field of View | Si PIN | |
| | Sensitivity | 14 mrad | |
| Interface Type | | -43 dBm | |
| | Connectors | Electrical-G.703 Compatible | |
| | Impedance | for T1: RJ45; for E1: BNC or RJ45 | |
| | Cable | for T1: 100 Ohm; for E1: 75 Ohm or 120 Ohm | |
| | Cable Loss | for T1: Twisted pair Cat5; for E1: coax 75 Ohm or twisted pair Cat5 | |
| Power Supply | | 0 to 6 dB | |
| Environmental Information | Operating Temp. | 230VAC@50Hz/100-117VAC@60Hz-22W Factory set or 24VDC-20W | |
| | Storage Temp. | -30°C to +50°C | |
| | Humidity | -50°C to +70°C | |
| | Housing | Less than 90% non-condensing | |
| Mechanical Design | Dimensions (mm) | Weatherproof | |
| | Weight Unit | 412 x 268 x 155 | |
| | Accessories | 4.5 kg | |
| Diagnostics | Indicators | 3 kg | |
| | Selectors | Airlink: Flag Electrical: Flag Local Loopback Remote Loopback | |
| | | Receive Signal Strength (Digital Display) | |
| | | Data Rate | |
| | | Alignment, Loopback (local) | |
| | | Air Tx Output Power (attenuation [dB]) | |

Notes: (1) Depends on regional weather conditions
 10dB/km = Rain storm
 17dB/km = Rain storm and moderate snow
 30dB/km = Rain storm, heavy snow and moderate fog

Ideal for:

- Computer Networking
- Internet/Intranet
- “Last mile” connections
- Crowded Urban environments and Campuses
- Difficult Terrain (crossing highways, rivers, airports etc)
- Disaster Recovery
- Temporary Installations

Specifications:

MTBF - 8-10 years

Speed - LWU2000-10BT: 10Mbps; LWU2000-G703: 2.048 Mbps

Distance - LWU2000-10BT: 350m; LWU2000-G703: 550m

Connectors - Both models: Remote monitor connection; LWU2000-10BT: RJ-45 LAN connector; LWU2000-G703: RJ-45 and BNC

Power - 230 VAC

Size - 15.5H x 26.8W x 41.2D cm

Weight - 7.5 kg

Ordering Information

Product

G.703 Wireless Transceivers with Wallmount Bracket
Ethernet Wireless Transceivers

Code

LWU2000-G703
LWU2000-10BT