

## LINDSAY 4 PORT OPTICAL GATEWAY

LBOG1004

Enable your preferred PoE IP devices and value added Hotspot with this affordable Lindsay TOUGH strand mounted and HFC powered Optical gateway.

Flexibility matters when deploying 3rd Party products into the CATV environment. The Lindsay Broadband Gateways offer DOCSIS and optical backhaul and up to four 48VDC PoE 802.11af Ethernet ports right off the strand. With the addition of an optional access point built in the Lindsay gateways become a powerful strand mounted business solution. Security and Traffic cameras 802.11 AP's, Pico cells and IP public address systems are just some of the products that can now be deployed utilizing existing MSO infrastructure.



## FEATURES

- Die-cast aluminum housing (clamshell design)
- Mounting configurations: wall, pole, vault, mast, or strand
- Dual gaskets provide 15-PSI weather-proof seal
- Temperature cycled, from -40°C to +60°C (-40°F to +140°F)
- Designed to isolate EMI and protect against surges
- DOCSIS 2.0 and 3.0 options
- Cable plant-powered (40-100 voltage AC)
- Electromagnetic interference (EMI): -100 dB
- 6Kv Surge protection
- HFC access with directional coupler or power-passing tap
- Up to 4 weather-tight RJ-45 Ethernet connector
- Coax power interface provides for easy set up.
- Passive 4 PoE 48VDC, 802.3af and 802.3at for powering IP devices
- Monitor and configure via SNMP agent, Telnet or Web browser
- Optional 802.11 a/b/g/n Wi-Fi access point
- Add IP camera or other service-enabling device to a distance of 100 meters



## TECHNICAL SPECIFICATIONS LBDG1004

<b>Media Converter (Backhaul Option)</b>	
Twisted Pair	1000 Mbps (full duplex)
SFP Port	1000 Mbps (full duplex)
Packet Size	9216 Bytes
Emissions	FCC Class A, CE Class A
Reliability Testing	IEC-60068-2-32, IEC-60068-2-27, IEC-60068-2-6
Standards	802.3, 802.3u, 802.3ab, 802.3a and 802.3x
<b>Gateway Ports</b>	
Data Link	4 Gigabit Ethernet
PoE Standards	Compatible with 802.3af and 802.3at
Standards	IEEE802.3/IEEE802.3u standards /IEEE802.3ab (10base-T /100base-Tx / 1000base-T)
Ports	4 ports with PoE (4PSE) support auto-crossover & auto-polarity
Transmission Speed	1000Mbps (1000base-T), 100Mbps(100base-Tx), 10Mbps (10base-T)
Switch Technology	Store - and - Forward
Protocols	CSMA/CD
Flow Control	IEEE802.3x (full duplex)back pressure (half duplex)
Data Transmission Rate	1488000pps for 1000base-T, 148800pps for 100base-T, 1480pps for 10base- T
Address Table	1K MAC Address table, self learning
Connect	RJ-454 / IP68
PoE Port	Port 1-4, 48 PSE auto power management
Maximum Power	35W /Port Maximum 100W
<b>General</b>	
Temperature Range	-40 to +60 Deg C (-40 F to 140 Deg F)
EMI Isolation	100dB ( 5 to 1000 MHz)
Surge Withstand (Copper Port)	ANSI-IEEE c62.41 Category B3 (6Kv)
Powering	40 / 100VAC (Psuedo Sine)
Dimensions	16 X 9.5 X 7 inches
Weight	20-25 lbs. (depending on options) (9.07 kg to 11.34 kg)
Airtight	15p.s.i.

Note- specifications subject to change without notice

**FOR MORE INFORMATION ON OUR WIRELESS, OPTICAL AND RF PRODUCTS**  
CALL 1-800-465-7046 OR  
U.S. Sales Toll free: 877-672-4340

[www.lindsaybroadbandinc.com](http://www.lindsaybroadbandinc.com)