

## 4 PORT DOCSIS GATEWAY

## LBDG-4NP

Enable your preferred access point (AP) or IP camera with this affordable *Lindsay TOUGH DOCSIS*-based infrastructure.

Flexibility matters when deploying 3rd Party products into the CATV plant. The Lindsay Broadband DOCSIS gateway (LBDG-4) provides backhaul via 4 Ethernet Ports in a compact strand mounted device. Security and Traffic Cameras, 802.11AP's and IP public address systems are just some of the products that can now be deployed utilizing existing MSO infrastructure. Designed to maintain but minimize costs, the hardened LBDG4 utilizes a variety of cable modems that is wholly under the control of the MSO. It can be used in conjunction with SNMP monitoring systems to evaluate cable plant line conditions.



## 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
- Choice of input (DOCSIS 2.0 or 3.0)
- Cable plant-powered (40-90 voltage AC)
- Electromagnetic interference (EMI): -100 dB
- 6Kv Surge protection
- HFC access at any directional coupler or power-passing tap
- Weather-tight RJ-45 Ethernet connector
- Coax power interface protects RF performance of HFC plant
- Monitor and configure via SNMP agent, SSH or Web browser
- Add Wi-Fi, camera or other service-enabling device
- VLAN Support
- Four 10/100/1000 Ethernet Ports
- Programmable per port rate limitation
- Hardware watchdog

## SPECIFICATIONS -LBDG4

<b>RF Downstream</b>	
Operating Frequency Range	88 to 1002 Mhz or 108 to 1002 Mhz
Tuner Frequency Range	88 to 1002 Mhz or 108 to 1002 Mhz
Tuner	(2) Frequency agile block tuners, 32 Mhz bandpass each
Demodulation	8 demodulators, 4 each tuner, each demodulator; 64 QAM or 256 QAM
Maximum Data Range	Downstream channels, each 6Mhz channel; 42.88Mbps for 256QAM and 30.34Mbps for 64 QAM
Bandwidth	6 Mhz
Operating Level	-15 to +15 dBmv
Input Impedence	75 Ohms
<b>RF Upstream</b>	
Operating Frequency Range	5 to 42Mhz; 5 to 65 mhz
Transmitter Frequesncy Range	5 to 42Mhz; 5 to 65Mhz
Upstream Transmission	4 Upstream Channels
Modulation	QPSK, 8QAM, 16 QAM, 64 QAM, at ATDMA mode
	QPSK, 8 QAM, 16 QAM, 32 QAM, 128 QAM, 128 QAM at SCDMA mode
<b>Ethernet</b>	
Throughput	FastE/GigE Options Available
Reach	100M
Interface	RJ45
<b>HFC Platform</b>	
Insertion Loss	5dB ± 1 dB
Return Loss	16 dB (max)
Airtight	15 p.s.i.
Temperature Range	-40°C to +60°C (-40°F to 140°F)
EMI Isolation	100 dB (5 to 1000 Mhz)
Surge Protection	Gas Discharge Tube
Powering	40-90VAC (Psuedo Sine)
Power Consumption	17 W
<b>Physical</b>	
Dimensions	30.5 X 22.8 X 2 cm ( 12 X 9 X 6 inches)
Weight	3.6Kg. (8lbs)
<b>**Note specifications subject to change without notice</b>	

**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)