

DOCSIS GATEWAY

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

Flexibility matters in 802.11 deployments. The *Lindsay Broadband* DOCSIS gateway (LBDG-1NP) allows the use of any AP, IP camera, etc. on the HFC strand. You can use a *Lindsay*-recommended or any AP (or other IP device) that accepts passive power over Ethernet (PoE). Designed to maintain reliability but minimize costs, the hardened LBDG-1NP uses a standards based DOCSIS cable modem 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.



LBDG-1NP



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
- Passive PoE (12, 24 or 48 VDC or custom) for powering IP devices
- Monitor and configure via SNMP agent, SSH or Web browser
- Add Wi-Fi, camera or other service-enabling device



SPECIFICATIONS -LBDG

Cable Modem	
Certifications	CableLab DOCSIS 1.x/ 2.0. 3.0
Band Plans	DOCSIS (Annex B, Euro-DOCSIS (Annex A)
Network Configuration and Management	TFTP, SNMP V2, (V3 for DIOCSIS 3.0)
RF Input Sensitivity	+15 to -15 dBmV
Input Impedence	75 Ohm
Privacy	BPI+
Downstream Modulation	64 or 256 QAM
Upstream Modulation	QPSK and 8, 16, 32, 64,128 QAM
Ethernet	
Throughput	Fast E /GigE Options Available
Reach	100M
Interface	RJ45
HFC Platform	
Insertion Loss	5dB ± 1
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 1000MHz)
Surge Protection	Gas Discharge Tube
Powering	40 -90 Vac (Psuedo Sine)
Power Consumption	10 W (plus device load)
Physical	
Dimensions	30.5 X 22.8 X 15.2 cm (12 X 9 X 6 inches)
Weight	3.6kg (8 lbs.)

** Note- specifications subject to change without notice



FOR MORE INFORMATION ON OUR WIRELESS, OPTICAL AND RF PRODUCTS

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