

HDCM3.0

HARDENED DOCSIS CABLE MODEM

Extreme Temperature Hardened Wideband Cable Modem

A wideband temperature hardened DOCSIS/EuroDOCSIS 3.0 8X4 Cable Modem specifically designed for harsh outdoor uncontrolled deployments requiring data communications. The HDCM3.0 is perfect for outside HFC networks which experience extreme temperature fluctuations, voltage imbalances and electrical surges.

Many applications to empower your HFC network for profitable IP services can be realized with the Lindsay HDCM3.0. Communication links to security and traffic cameras, digital signage, access points, and information kiosks are just a few examples of successful deployments by cable operator.

The HDCM3.0 can also be used in conjunction with SNMP monitoring systems to evaluate cable plant line conditions and quality indicators such as signal strength, signal to noise ratio and BER



FEATURES

- IP 54 Rated Enclosure
- Dual Wideband Tuners
- Supports IPv4 and IPv6
- DOCSIS/EuroDOCSIS 3.0 Compliant
- 8 X 4 Channel Bonding
- Full-featured, high Bandwidth
- Compact and Economical
- Well-defined LEDs Clear Network Status Display
- -40 C to +60 C Tested

HIGH PERFORMANCE INTERNET ACCESS

Protocol Support

- * DOCSIS/EuroDOCSIS 1.1/2.0/3.0
- * SNMPv1,v2, v3
- * DHCP, TFTP and ToD clients (IPv4/IPv6)

Connectivity

- * RF F-type 75Ω connector
- * RJ-45 Ethernet port 10/100/1000Mbps (Auto-MD/MDIX)

Management

- * Web-based GUI control configuration and management
- * Dual-color LEDs clearly display network status and activity
- * Power on self diagnostic
- * MIB II/MCNS MIB

Reception-Demodulation

- * Demodulation: 64QAM, 256QAM
- * Data Rate: Up to 320 Mbps with 8 bonded downstream channels (DOCSIS)
- * Frequency (edge-to-edge): 88 ~ 1002 MHz (DOCSIS)
- * Channel Bandwidth: 6MHz (DOCSIS)
- * Single Level: -15 dBmV to 15 dBmV
- * Input return loss: >6dB

Transmitter -Modulation

- * Modulation: QPSK,8QAM,16QAM,32QAM,64QAM and 128QAM (SCDMA only)
- * Data rate up to 120 Mbps with 4 upstream channel bonding
- * Frequency: 5 ~ 42 MHz (DOCSIS)
- * Output return loss: >6dB

Mechanical

- * 5 Status LEDs (Power,DS,US,Status,LAN)
- * Factory default reset button
- * Dimensions: 148mm (W) X 96mm(D) X 50mm (H)
- * Weight: 300g

Environmental

- * Power Input DC: DC 12V/1A
- * Power Consumption: 6W (typical) 9W (max)
- * Operating Temperature: -40°C to +60°C
- * IP 54
- * Surge Protection:
 - RF input sustains at least 6KV
 - Ethernet RJ-45 sustains at least 1.5KV

Compliance Certificates

- * RoHS Compliant
- * FCC,UL



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