

STRAND MOUNTED HARDENED ACCESS POINT

SMHAP

Combine *Lindsay TOUGH* with 802.11 Wi-Fi to extend your plant and serve today's mobile consumers and businesses.

Leverage your existing plant and the ubiquity of 802.11 hardware to create new revenue streams. The *Lindsay* strand-mounted, hardened access point (SMHAP) is a quick and easy way to extend your plant to previously unavailable business customers and Wi-Fi users for additional revenue, with connection at any power-passing tap or directional coupler. Featuring Mikrotik router boards that offer multiple secure management, radio and advanced routing and bridging options. Cost-effective, technician-friendly, with proven technology and reliability



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 backhaul (DOCSIS 2.0, 3.0 or optical)
- Forward and reverse -20dB test points
- Modem "sweet-spotting" through diplex filters and JXP type attenuators
- Cable plant-powered (40-90 voltage AC)
- Single and dual 802.11a/b/g/n radio options
- Powered by Mikrotik, HP, Ubiquity and additional options
- Omni-directional and directional sector, panel, grid and dish antenna options
- 2 X 2 MIMO two spatial streams
- Supports 16 virtual service communities (SSID)
- Multiple secure management options
- RADIUS interface for authentication, authorization and accounting
- Hotspot, point-to-point/point-to-multipoint operations

SPECIFICATIONS - SMHAP

Cable Modem

Certifications	CableLabs 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 DOCSIS 3.0)
RF Input Sensitivity	+15 to -15 dBmV
Input Impedance	75 Ohm
Privacy	BPI+
Downstream Modulation	64 or 256 QAM
Upstream Modulation	QPSK and 8, 16, 32, 64, 128 QAM

Radio

Tx Power	350 mW @ 6Mbit, 160mW @ 58Mbit
Rx sensitivity	-94 dBm @ 6Mbit, -81 dBm @ 54 Mbit
Standards	802.11a/b/g/n (depending on model)

HFC Platform

Insertion Loss	5 dB ±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 1000 MHz)
Surge Protection	Gas Discharge Tube
Powering	40 - 90 Vac (Pseudo Sine)
Power Consumption	18 W (dual radio)



Physical

Dimensions	30.5 x22.8 x15.2cm (12 x 9 x 6 inches)
Weight	3.6kg (8 lbs)



**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