LINDSAY OSMHAP

OPTICAL STRAND MOUNTED HARDENED ACCESS POINT

The case for fiber backhaul is compelling. With throughput on 802.11n radios exceeding 100Mbps (full duplex), offloading traffic from your copper plant to your fiber network not only makes sense—it may be imperative. The Lindsay optical strand mounted, hardened access point (OSMHAP) integrates standards compliant radios with E-O media converters in a single Lindsay TOUGH platform that is ideal for serving business customers who were previously out of reach of the typical CATV footprint. The Optical SMHAP installs quickly where fiber access and HFC plant power are available.

- Die cast aluminum housing (clamshell design)
- Mounting configurations: wall, pole, vault, mast, or strand
- Dual gaskets provide 15-PSI weatherproof seal
- Designed to isolate EMI and protect against surges
- Integrated media converter with SFP port (Gigabit or EPON)
- Single or paired fiber links up to 120km
- Available with WDM, OADM, splitters and virtual hubs
- Installer friendly integrated fiber management
- Cable plant powered (40-90 voltage AC)
- Omni directional and directional sector, panel, grid and dish antenna options
- 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

MEDIA CONVERTER	
Standards	802.3 10BASE-T, 802.3u 100BASE-TX, 802.3z 1000BASE-SX/LX, 802.3ab 1000BASE-T, 802.3x Flow Control and Back Pressure, 802.1p Class of Service, 802.1Q VLAN Tagging, 802.3ah OAM
Management	HTTP SNMP V1, V2c
Port Configuration	Enable/Disable, Auto, Negotiation, Bandwidth Control.
SFP	All Standard Colors, up to 120Km
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	-40-60°C (-40-140°F)
EMI Isolation	100 dB (5-1000 MHz)
Surge Protection	Gas Discharge Tube
Powering	40-90 Vac (Pseudo Sine)
Power Consumption	24 W (dual Radio)
PHYSICAL	
Dimensions	30.5 x 22.8 x 15.3 cm (12 x 9 x 6 Inches)
Weight	3.6kb (8 lbs)