

Xnet Viper-M1

2.4/5GHz Standard Mesh Node (ETSI)

outdoor version

Mesh Routing

The Xnet Viper-M1 is a single-radio only -2.4GHz (b/g) or 5GHz (a)- outdoor node, designed to be used for the EMEA market. One of the most prominently advertised features of the Xnet Viper-M1 node is the Hopling Mesh Protocol (HMP) used for meshing, the patented Hopling Discovery Protocol (HDP) used for the transport of information throughout the network and the patented Hopling Auto Mesh (HAM) technology used to automatically configure mesh networks.

Hopling Mesh Protocol (HMP)

- Hopling Mode - Network meshing (layer 2) / Bridging
- Hotspot Mode - Hotspot meshing

Hopling Discovery Protocol (HDP)

- Automatic Mesh Discovery
- Automatic Mesh Configuration

Standards

IEEE 802.11a	IEEE 802.11g
IEEE 802.11b	IEEE 802.11h
IEEE 802.11d	IEEE 802.11i
IEEE 802.11e	IEEE 802.11j
IEEE 802.11	IEEE 802.1q
IEEE 802.3	IEEE 802.3u
IEEE 802.3x	

Device Management

Web-Based - Internet Explorer v6 or later; Netscape Navigator v7 or later; or other Java-enabled browsers.
SSH command line interface
Call Home Facility (CHF), XML interface
SNMP v1 or v2

Data Rates

IEEE 802.11a:

6, 9, 12, 18, 24, 36, 48, 54Mbps

IEEE 802.11g:

6, 9, 12, 18, 24, 36, 48, 54Mbps

IEEE 802.11b:

1, 2, 5.5, 11Mbps

Security

64-, 128-bit WEP
WPA - Enterprise/Personal
WPA2 - Enterprise/Personal
MAC Address Access Control List
IEEE 802.1x (optional)

Wireless Frequency Range

IEEE 802.11a:

5.15~5.35GHz
5.47~5.725GHz
5.725~5.825GHz

IEEE 802.11b/g:

Europe 2.4 to 2.484 GHz

Modulation Technology

IEEE 802.11a/g:

OFDM (64-QAM, 16-QAM, QPSK, BPSK)

IEEE 802.11b:

DSSS (DBPSK, DQPSK, CCK)

LED

Power (Orange)

Receiver Sensitivity

IEEE 802.11a:

-88dBm @ 6Mbps
-71dBm @ 54Mbps

IEEE 802.11g:

-90 dBm @ 6Mbps
-73 dBm @ 54Mbps

IEEE 802.11b:

-95 dBm @ 1Mbps
-89 dBm @ 11Mbps

Temperature

Operating: -40°C to 85°C
Storage: -40°C to 90°C

Humidity

Operating: 10%~90% (non-condensing)
Storage: 5%~95% (non-condensing)

Operating Voltages

24 to 48VDC for Power over Ethernet. The nominal Voltage is 48VDC.

Transmit Power

5.18~5.32 & 5.5~5.6 GHz

18 dBm @6~24Mbps
16 dBm @36Mbps
14 dBm @48Mbps
13 dBm @54Mbps

5.5~5.7 GHz

16 dBm @6~24Mbps
15 dBm @36Mbps
13 dBm @48Mbps
12 dBm @54Mbps

5.745~5.825 GHz

16 dBm @6~24Mbps
15 dBm @36Mbps
13 dBm @48Mbps
12 dBm @54Mbps

2.412~2.472 GHz (IEEE 802.11g)

20 dBm @6~36Mbps
19 dBm @48Mbps
18 dBm @54Mbps

2.412~2.472 GHz (IEEE 802.11b)

20 dBm @1~11Mbps

Wireless Operating Range

Depending on the type and output of the connected antenna(s). Hopling Technologies has a variety of omni, grid, array's and panel antennas available.

Dimensions

L = 308mm including mounting flaps = 417
W = 208mm
H = 84mm

Warranty

Standard 1-Year

Certification

Complies with FCC rules part 15
CE (!)

Ordering information Xnet Viper-M1 nodes

Please check your local sales representative for more details about packages and a la carte configurations.

For more information:



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