

Xnet Viper

3.5GHz multi-radio WiMAX mesh nodes

indoor version



Mesh Routing

The Xnet Viper multi-radio mesh nodes are capable of handling 4 radio's in a balanced mix of 2.4-2.6GHz, 3.3-3.6GHz, 4.9GHz, 5GHz, 900MHz bands, based on the **HopWARE Mesh Architecture (HMA)**, which incorporates today:

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 802.11h
IEEE 802.11d	IEEE 802.11i
IEEE 802.11e	IEEE 802.11j
IEEE 802.11	IEEE 802.1q
IEEE 802.3	IEEE 802.3af
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

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:

3.475~3.625 Ghz

Modulation Technology

IEEE 802.11a:

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

LED

Power (Green)

Operating Voltages

36 to 56VDC for Power over Ethernet. The nominal Voltage is 48VDC.

Temperature

Operating: -40°C to 85°C

Storage: -40°C to 90°C

Humidity

Operating: 10%~90% (non-condensing)

Storage: 5%~95% (non-condensing)

Additional Radio cards

2.4/5GHz 100mW	HR.01.100
2.4/5GHz 400mW	HR.02.400
3.5GHz 630mW	HR.03.630
4.9GHz 400mW	HR.04.400
5GHz 400mW	HR.05.400
2.4GHz 400mW	HR.06.400
2.4GHz 600mW	HR.07.600
5GHz 600mW	HR.08.600
900MHz 630mW	HR.09.630

Receiver Sensitivity

IEEE 802.11a:

-92 dBm @ 6Mbps

-90 dBm @ 9Mbps

-89 dBm @ 12Mbps

-88 dBm @ 18Mbps

-84 dBm @ 24Mbps

-81 dBm @ 36Mbps

-75 dBm @ 48Mbps

-73 dBm @ 54Mbps

Transmit Power

3.475~3.625 GHz

25 dBm @ 6~24Mbps

21 dBm @ 36Mbps

19 dBm @ 48Mbps

18 dBm @ 54Mbps

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 nodes

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



For more information:



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