

Xnet Viper

5GHz High-Power multi-radio 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:

54, 48, 36, 24, 12, 8, 6 Mbps

Security

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

Wireless Frequency Range

5GHz

LED

Power (Green)

Receiver Sensitivity

Rate	Level
6Mbps	-94dBm, +/- 2dB
9Mbps	-93dBm, +/- 2dB
11Mbps	-92dBm, +/- 2dB
12Mbps	-91dBm, +/- 2dB
18Mbps	-90dBm, +/- 2dB
24Mbps	-86dBm, +/- 2dB
36Mbps	-83dBm, +/- 2dB
48Mbps	-77dBm, +/- 2dB
54Mbps	-74dBm, +/- 2dB

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

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

Transmit Power

Rate	Power
6-24Mbps	26dBm, +/- 1dB
36Mbps	24dBm, +/- 1dB
48Mbps	22dBm, +/- 1dB
54Mbps	21dBm, +/- 1dB

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 (!)

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

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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