



Key Features

- Up to 300 Mbps throughput
- 2X2 External MIMO Antenna Connectors
- Point to Point, Point to Multipoint or MESH
- PoE 802.3af/at (PoE, PoE+)
- 1-3 Gigabit Ethernet Ports
- 2 SFP Cages for Fiber or Gig-E
- 1-3 radios
- PoE injector & mounting kit included
- Enhanced Security Features
- Optional Repeater Configuration Available
- Windows-based GUI, Command Line Interface & Web Browser-based for programming and monitoring
- Factory programmed, configured, Identified and link tested.

For Next Generation Bandwidth Requirements...

CDM Wireless, a leader in PtP & PtMP wireless broadband, is proud to introduce the **Viper+** product line. Higher bandwidth applications are becoming increasingly common as advancements in manufacturers hardware continue. The CDM Wireless Viper+ product line helps to satisfy this need.

With actual data rates up to **300 Mbps** the new Viper+ 11N2 series delivers the same bandwidth capacity and reliability of the Raptor series at an entry level cost point.

The Viper+ 11N2 equipment can easily be combined into any hybrid deployment and will function in backwards compatibility mode with our previous product lines allowing you to create phased upgrades that are budget friendly and convenient for time sensitive projects.

Viper+ 11N2 devices can act as either Power Sourcing Equipment (PSE) or Powered Devices (PD). PSE models will supply PoE+ power to one or two IP devices such as Cameras, Door Access Controllers, VOIP phones, etc. The PD models will accept power from a PoE switch or a 48 VDC injector.

CDM Wireless products include all software, licenses, accessories and unlimited bandwidth.

What are you waiting for? Put the Viper+ 11N2 Series to work for you and experience the next wave in wireless first hand.

Viper+ 11N2.PD

Gigabit Ethernet | PoE | AP or Client | 2x2 MIMO
Powered via switch or factory supplied power injector

Viper+ 11N2.PSE

Gigabit Ethernet | PoE+ | AP or Client | 2x2 MIMO
Powered via factory supplied PoE injector
Provides PoE+ power to two PoE devices



Wireless Interface

Frequency:	5.1 – 5.8 GHz
Data rates:	Up to 300 Mbps Modulation*
Receive Sensitivity:	5GHz: MCS0 20MHz -96dBi - MCS7 40MHz -76dBi
Modulation:	OFDM
Transmit Power:	500mW
Range:	up to 10 miles* * environment dependent

Power

Input:	48Vdc via injector and/or PoE (802.3af) switch (model dependent)
PSE:	PoE+ (802.3at) 2 Ethernet ports
Consumption:	11 Watts maximum (4 Watts typical)

Interface(s)

1 - 3	Gigabit Ethernet ports Auto-MDI/X
2	SFP Cages for Fiber Optic or GigE
2	Mini PCI-E Ports – 1 Free if Optional Repeater Config Chosen

Systems Management and Control

Local/Remote Admin:	SSH, MAC, Telnet, WIN GUI via HTTP, FTP
Tools/Diagnostics:	Bandwidth, Ping, Netwatch, Freq Scan, IP Scan, Traffic Monitor, Ping Speed, Email, Packet Sniffer, Antenna Alignment, Graphing, Trace route, MAC Server, Flood Ping,

CDM Wireless, your trusted wireless solutions provider, proudly introduces our 4th Generation product line, the **VIPER+**, the next wave in wireless surveillance transmission.

The **VIPER+** is the next wave in the evolution of speed and features focused on the security and surveillance industry. Designed to transport digital 4k video and to meet the ever growing needs for always on bandwidth.

The **VIPER+** system is built on a common foundation with a wide array of upgrade opportunities to customize a design to fit the ever changing requirements of your customers.

The new **VIPER+** product line stars as a single radio from which the base configuration can be altered to add additional radio interfaces, increase bandwidth, add fiber optic interfaces, and select power options.

VIPER+ wireless negotiation speeds start at 300Mbps on a single 802.11a/n interface and offer the capability to add to additional 802.11ac interfaces as well.

CDM Wireless VIPER+ devices present you with the opportunity to deploy large scale High Definition and 4k Video deployments without compromising on data transport.

Authentication, Security and Encryption

Authentication:	RADIUS server MAC enabled
Security:	SSL based authentication
Remote Admin:	SSH, IP/MAC Telnet, Win GUI, HTTPS, FTP, Serial Console
Encryption:	AES, 128.256, Triple DES with CBC-MAC, RADIUS, EAP
VPN:	EOIP, VLAN, PPOE, PPTP, IPIP, L2TP
Repeater Config:	Dual Radio Card Repeater Configuration Available.
GPS Support:	Async NMEA0183, NMEA/RTCM or simple text

Environmental & Enclosure Specifications

Rating:	IP67
Temperature:	-67F to 159.8F (-55C to 71C)
Humidity:	100% (wind driven rain)
Dimensions:	12" x 12" x 2.75"
Weight:	8 lbs.
External Connectors:	
- ACX2.PD:	1 weatherized RJ-45 for cable or Conduit
- ACSX.PSE:	1 weatherized feed thru for Cables or conduit
LED's:	Power, Activity, Ethernet Link
Mounting:	mast, pole or wall
Grounding:	DC Ground
Vibration:	IEC 60721-3-4 4M5 Random
Mechanical:	IEC 60721-3-4 4M5
Solar radiation:	ASTM G53 1000 hours
Ice Load:	25mm radial
Salt fog:	IEC 68-2-11 Ka 500 hours

With data rates up to **300 Mbps** the new **VIPER+ 11N2** series delivers more capacity and allows users to stream higher resolution images, VoIP, video clips, live recording, etc. without interruption or data loss.

Each **VIPER+ 11N2** radio has two (2) SFP cages that can be used to add transceivers for Fiber Optic links as well as 10/100/1000M Ethernet interfaces. Fiber optic transmission distances of up to 20km are also supported.

A comprehensive selection of antennas paired with our carrier grade outdoor enclosure, and an included mounting kit make installations fast and easy with only one Cat 5e or Cat 6e cable needed for power and data.

VIPER+ products can be configured as either Power Sourcing Equipment (PSE) or Powered Devices (PD). PSE models will supply PoE+ power to one or two IP devices such as Cameras, Door Access Controllers, VOIP phones, etc. The PD models will accept power from a PoE switch or a 48Vdc injector.

When you combine the **VIPER+** hardware with **CDM's** superior customer support and our extended warranty you won't find a better wireless solutions partner. **VIPER+** products include all software, licenses, accessories and no bandwidth licensing restrictions. Simplicity, quality and ease of deployment are a few of the factors that differentiate **CDM Wireless** from the competition.