



CDM Wireless, a leader in PtP & PtMP wireless broadband, introduces its new plug & play v-bridge. The new v-bridge is an ideal solution for short distance line of sight point-to-point applications.

Antennas, integrated on a commercial outdoor enclosure makes installations fast and easy with only one Cat 5 cable needed for power and data.

With increased frequency selection and multiple non overlapping channels, the OFDM technology delivers higher data rates and is much more immune to potential interference than other wireless technologies on the market.

Viper products include all software, licenses and accessories.

## v-bridge

### Plug & Play Wireless PoE Ethernet Bridge

#### Key Features

- Includes Internal Antennas
- Maintains PtP links up to 2 miles
- PoE 802.3af
- 5.8GHz
- 150 Mbps modulation
- 1 Ethernet port
- Mounting kit included
- SNMP technology ensures hassle free integration with existing networks
- Windows-based GUI, Command Line Interface & Web Browser-based for programming and monitoring
- Plug & Play
- Includes 1 hour initial tech support
- Cost Effective

## v-bridge Specifications

### Wireless Interface

Frequency: 802.11a/n 5GHz  
Data rates: 150 Mbps Modulation  
(Actual thru put depends on environment)

Receive Sensitivity: **5GHz:** MCS0 20MHz -97dBi - MCS7 40MHz  
-74dBi

Modulation: OFDM  
Transmit Power: 22 – 25dBm  
Range: Up to 2 miles

### Power

Input: PoE (802.3af) or 48Vdc power injector

Consumption: 11 watts maximum (4 watts typical)

### Ethernet Interface(s)

1 10/100 Mbps Fast Ethernet ports with  
Auto-MDI/X

### 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,

### 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

Protocols: RTP/IP, UDP/IP, TCP/IP, HTTPS, VRRP, NTP,  
DNS, DHCP, ARP, WDS

GPS Support: Asynchronous NMEA0183, NMEA/RTCM or  
simple text

### Environmental & Enclosure Specifications

Rating: IP67

Temperature: -67F to 159.8F (-55C to 71C)

Humidity: 100%

Dimensions: 7.5" x 7.5" x 2.75"

Weight: 4 lbs.

External Connectors: 1 weatherized RJ-45

LEDs: Power, 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

Wind Load:

Front Thrust 10.5 kg

Side Thrust 2.8 kg



The CDM Wireless SunTelligent™ custom product lines are self-contained Solar Packs for applications where commercial power is not available. They are available in 12, 24, 36 or 48 Volts DC. Integrated AC converters are available for applications that include equipment that is powered by 24 to 120 VAC.

