

# LMS8000 Starter Kit

## 900 MHz NLOS OFDM Broadband Wireless System

Vecima Networks offers a starter kit that includes all the WaveRider equipment needed to establish a wireless broadband network. This kit can be deployed to serve business or residential subscribers and has the capacity to service more subscribers than other 900 MHz system on the market. The LMS8000 starter kit is a non-line-of-sight system that enables operators to establish a 900 MHz system that will grow with them as their business expands.

WaveRider's LMS8000 starter kits now support VoIP (Voice over Internet Protocol), enabling simultaneous transmission of voice and data traffic on your wireless network.

The LMS8000 starter kit features a CCU8010 base station PoE integrated 10dBi antenna, an easy to install EUM8000 subscriber station integrated outdoor modem, a convenient MDB1000 hand-held alignment and installation tool and priority email support.

### Starter Kit:

1 x CCU8010  
Base Station PoE  
45° Integrated 10dBi Antenna



+

1 x EUM8000  
Subscriber Station  
Integrated Outdoor Modem



+

1 x MDB1000  
Hand-Held Alignment  
and Installation Tool



Kit also includes priority email support

# LMS8000 Starter Kit Features and Advantages

## CCU8010 Base Station Power over Ethernet (PoE) Integrated 10dBi Antenna



### Industry Leading Performance

- Over-the-air data rate up to 13.5 Mbps and access speeds up to 8 Mbps at 64 QAM
- Operates in 900 MHz spectrum which offers superior NLOS propagation characteristics
- WaveRider's dynamic polling MAC – enables greater subscriber capacity
- Scalable solution - highest subscriber capacity in the industry
- Outdoor LOS range up to 25 miles; average range of 5 miles NLOS
- PoE (802.3af Mode B compatible)
- Integrated 10 dBi antenna and weatherproof package tested to meet ETSI 300-019 environmental standards with an extended temperature range of -40° C to 50° C plus solar loading

### Advanced Management Capabilities

- Secure web-based graphic user interface for setup and monitoring
- Integrated RADIUS AAA support allows operators to easily manage hundreds of subscribers
- Operators can easily monitor the entire system using standard SNMP network management systems
- PPPoE support allows for seamless integration into existing PPP-based systems
- Grade of Service control - allows for better customer service and profitable business model

## EUM8000 Subscriber Station Integrated Outdoor Unit



### Smart Diversity Antenna

- Provides superior performance in a multipath environment by automatically switching to either a vertical or horizontal polarization mode
- High-gain (10 dBi) antenna enables the EUM8000 to generate the full 36 dBm average EIRP allowed by the FCC

Power over Ethernet (PoE) standard 48 VDC PoE (802.3af Mode B compatible)

### Weatherproof Package

- Tested to meet ETSI 300-019 environmental standards for outdoor installations with an extended temperature range of -40° C to 50° C plus solar loading

### Automatic Configuration Capabilities

- Auto CCU discovery - selects CCU with best RF signal  
DHCP Client - obtains its IP address, subnet mask and IP gateway information from a DHCP server
- Automatic remote configuration - accepts parameters from a RADIUS server to set other configurable parameters in the modem

### Installation Tools

- MDB1000 - hand-held device provides key signal quality information for easy installation and alignment
- SETUP Menu - allows any user to check and troubleshoot the RF link

### Ordering Information

SKU: WR200-8030 Includes: (1) CCU8010 base station wireless modem with integrated antenna; (1) EUM8000 subscriber station integrated outdoor unit; (1) MDB1000 hand-held alignment and installation tool; universal AC/DC adapter with integrated 48 VDC PoE injector; NA AC cord; 5-ft (1.5m) CAT5 straight jumper; mounting hardware; PoE surge arrester; and priority email support for 3 months

Limit of one per customer



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