

LMS4000 Custom Starter Kits

900 MHz Unlicensed

Non-Line-of-Sight Systems

www.vecimanetworks.com

Vecima Networks has packaged a Starter Kit that includes all the WaveRider equipment needed to establish a wireless broadband network. This package can be deployed to serve business or residential subscribers today and has the capacity expand to up to service more subscribers than any other 900 MHz system on the market. The LMS4000 Starter Kit is the first 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 LMS4000 Starter Kits now support VOIP (Voice Over Internet Protocol), enabling simultaneous transmission of voice and data traffic on your wireless network.

Now service providers can choose WaveRider's new EUM3005 end-user equipment for indoor customer installations with true 'plug and play' capabilities, or the EUM3006 integrated outdoor modem with Power over Ethernet for outdoor installations.

Customize your Starter Kit:

1 x CCU3110
Base Station PoE
Integrated 10dBi Antenna



Plus your choice of the following subscriber equipment packages:

2 x EUM3005 Indoor Modems
2 x Active Diversity Indoor Antennas



SKU 200-4030

2 x EUM3006
Integrated Outdoor Modems
1 x MDB1000 Alignment Tool



SKU 200-4032

1 x EUM3006
Integrated Outdoor Modem
1 x EUM3005
Modem and Indoor Antenna
1 x MDB1000 Alignment Tool



SKU 200-4031

WaveRider® by **vecima**
Last Mile Solution® networks

CCU3110 Base Station



Industry Leading Performance

- Over-the-air data rate of 2.75 Mbps and access speeds of up to 2 Mbps
- Operates in 900 MHz spectrum which offers superior NLOS propagation characteristics
- Scalable solution - highest subscriber capacity in the industry
- Average range of 5 miles NLOS, outdoor LOS range up to 25 miles
- PoE (802.3af Mode B compatible)
- Integrated 10 dBi antenna and weatherproof package. Tested to meet ETSI 300-019 environmental standards. Extended temperature range of -40° C to 50° C plus solar loading

Advanced Management Capabilities

- Includes WaveRider's dynamic polling MAC – enables greater subscriber capacity
- Integrated SNMP enables the device to operate easily with any compliant network management system, allowing for operators to easily manage the system
- Radius AAA and PPOE support
- Grade of Service control - allows for better customer service and profitable business model

EUM3005 Modem with Active Diversity Indoor Antenna



Active Diversity Indoor Antenna

- Offers advantages such as reduced RF losses since there are no long cable runs
- Enables easy mounting and positioning of the antenna, using a wall, window, window frame, or other surface.
- Active diversity is on a packet-by-packet-basis, providing superior performance in a multipath environment

True 'Plug & Play' Capabilities

- Installation and configuration tools eliminate the need for truck rolls
- Built-in spectrum analyzer, automatic CCU discovery and DHCP client facilitate installation and configuration
- Can be installed indoors anywhere there is a signal available

EUM3006 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 EUM3006 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

New 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



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