

WaveBolt™ Subscriber Unit

The WaveBolt™ Subscriber Unit (SU) is the end user component of the WaveBolt system from CIRRONET™. Distinguished by its high speed, low cost and simple installation, the WaveBolt SU provides Internet data to end users at a crisp 921Kbps. The WaveBolt SU is based on CIRRONET's proven license-free, interference and jamming resistant, frequency-hopping spread spectrum technology.

Used with the WaveBolt access point, the WaveBolt SU completes the high speed, license-free WaveBolt wireless Internet access system. The WaveBolt system dynamically allocates bandwidth and provides Internet access at rates up to 921Kbps through a USB connection. All in a system where the total cost to ISPs is a few hundred dollars per subscriber instead of a few thousand dollars per subscriber.

The WaveBolt SU is easily installed by most end users. The SU is mounted outdoors up to 150 feet from the computer to obtain line of sight with the access point antenna. With its built-in antenna, the WaveBolt SU is the only piece to mount and only needs to be pointed in the general direction of the WaveBolt access point. The SU is typically located between 2 to 5 miles from a WaveBolt access point. A small cable from the SU connects to a USB adapter (provided as part of the WaveBolt SU) which provides power to the SU and a standard USB connector. Since the WaveBolt SU connects to a USB port on a PC, there is no need to open the computer to add special cards.

The WaveBolt SU works with the dial-up networking built-in to Windows® 98/ME/2000. No complicated software installation is required. Since the WaveBolt SU works with built-in Windows® software, the end user can choose any browser that runs under Windows®.



Because the WaveBolt SU is based on frequency-hopping technology, there is no worry about WaveBolt™ SUs interfering with each other. Nor is there any concern that other spread spectrum radios in the area will interfere or jam the SU.

FEATURES:

- Low cost
- Built-in wide beam antenna
- 2 to 5 mile typical range
- 921Kbps data rate
- License-free 2.4 GHz (ISM) band
- Uses Windows® software

BENEFITS:

- Easily affordable end user equipment
- Simple end user installation
- High speed internet access
- No service provider charges
- Works with all Windows® browsers



CIRRONET.

WaveBolt™ Subscriber Unit

SPECIFICATIONS

Model	WaveBolt™ Subscriber Unit
RF Frequency	2400 to 2483 MHz
Radio Certification	Certified under FCC 15.247 and ETSI 300.328 rules, license-free
Typical Range	2 - 5 miles line-of-sight
Radio Network Topology	Star Network
Radio Network Protocol	Dynamically assigned TDMA with ARQ
I/O Interface	USB 1.0
I/O Data Rate	921Kbps
Over-the-air Data Rate	1.22Mbps
# of Frequency Channels	43
RF Bandwidth	1.7MHz
Antenna	Built-in 6dB Patch
Transmit Power Output	+16dBm EIRP or +26dBm EIRP, software selectable
Receiver Sensitivity	-96dBm
Supply Voltage	100VAC/240VAC 50/60Hz
Power Consumption	< 2 watts
Size	130mm x 82mm x 36mm
Weight	1.4kg (including 50 foot cable)
Case Material	UV Stabilized Polycarbonate, IP 66, NEMA 4X rated
Operating Temperature	-30°C to +70°C
Humidity	20% to 90% non-condensing

CONNECTORS

Power	2-Pin DIN
Data	USB

INDICATORS

Power	
Carrier Detect	

COMPONENTS

- Outdoor radio with mounting bracket and built-in antenna
- USB Adapter Module
- 50 feet of SU to Adapter Module Cable
- USB cable
- 100VAC/240VAC 50Hz/60Hz Wall-mount Power Supply

Brought to you by:



Aglotel Wireless Solutions Sdn. Bhd.
34, Jalan BP 6/13,
Bandar Bukit Puchong,
47100 Puchong, Selangor,
Malaysia
Tel : +603 80682880 Fax : +603 80682887
Email : info@aglotel.com.my
Homepage : www.aglotel.com.my

