

2.4GHz, 5.8GHz Cirronet WaveBolt Broadband Wireless for Residential and Small Business



The WaveBolt unit is low-cost, compact, end-user installed through a PC port and is approved to operate globally in the license-free 2.4 and 5.8GHz band. WaveBolt transmits data at more than 1 Mbps. Each WaveBolt radio can support up to 60 simultaneous users. More than 1000 subscribers can be supported from a single point of presence (PoP).

Specifications:

Cirronet WaveBolt Point To MultiPoint

Access Point Controller	
Mechanical	19 inch rack-mount card cage 3U high
Frequency Range	2.400 to 2.483; 5.75 to 5.825
Voltage	34-75 VDC
Power Consumption	100 Watts max
Access Point Card slots	5
Indicators	DC Power Hub Power Ethernet Link Ethernet Alert Ethernet collision Ethernet Transmit Data Ethernet Receive Data Transeiver OK
Connectors	Power – 2 position terminal block Network – 10/100BaseT RJ-45 Diagnostic – 10/100BaseT RJ-45 Radio – DB15
Processors	Power PC
Memory	32 Mb SDRAM per AP Card
Radios Supported	4 per AP Card
Simultaneous PPP session	240 per AP Card
Subscriber Unit	
RF Frequency	2.400 to 2.483; 5.75 to 5.825
Radio Certification	FCC 15.247 and ETSI 300.328 rules, license free
Typical Range	3 to 8 Km LOS
Radio Network Topology	Star Network
Radio Network Protocol	Dynamically assigned TDMA with ARQ
I/O Interface	USB/Ethernet
I/O Data rate	Over 1Mbps
# of frequency channels	43
RF bandwidth	1.7MHz
Antenna	Built in 6 dB patch
Transmit Power Output	+16dBm or +26dBm EIRP, software selectable
Receiver Sensitivity	-94dBm
Supply Voltage	100/249 VAC 50/60 Hz

Power Consumption	<2 watts
Size	130mm x 82mm x 36mm
Weight	1.4Kg (including 31m cable)
Operating Temperature	-40°C to +70°C
Humidity	20% to 90% non-condensing
Connectors	Power – 2 Pin DIN Data – USB/RJ-45 Ethernet
Indicators	Power, Carrier Detect