

Wiligear 5 GHz SoC board

WBD-200



System

Processor	Atheros AR2313, MIPS 4KC, 180 MHz
Memory	32 MB SDRAM, 8 MB Flash
Antenna connector	2 x MMCX
Networking interface	1 x 10/100 Base-TX Ethernet Port
RoHS compliance	Available
Certifications	FCC, CE, IC

Radio

TX specs		RX specs	
Data rate	Average power	Data rate	Receive sensitivity
6 Mbps	21 dBm	6 Mbps	-87 dBm
54 Mbps	18 dBm	54 Mbps	-66 dBm

WLAN standard	802.11a
Modulation	BPSK, QPSK, 16 QAM, 64 QAM
Available channel size	5 MHz, 10 MHz, 20 MHz, 40 MHz (Turbo)
Frequency range	5.1-5.8 GHz (Country dependent)

Software

Operating modes	Router, bridge
Wireless operating modes	AP, Station, AP WDS, Station WDS, Virtual radios (VSSID)
Wireless security	WEP, WPA/WPA2 Personal, WACL
Wireless QoS	WMM
WAN protocols	Static IP, DHCP client, PPPoE client
Network	NAT, static and dynamic routing (RIP, OSPF, BGP), firewall, port forwarding, VLAN, STP
Services	DHCP server, SNMP server, NTP client, Remote syslog, Wireless statistics
Management	HTTP(s) GUI, SSH CLI, SNMP read
Tools	Site survey, traffic generator, antenna alignment

Mechanical

Dimensions (Height x Width)	90 x 70 mm (3.54 x 2.76 inch.)
Weight	55 g (0.12 lb)
Operating temperature	-30 to +80 °C (-22 to 176 F)
Humidity	5% to 95% (non condensing)

Electrical

Input voltage	9-21 V
Power consumption	7W (Max)