



WBS8000

5.8GHz Wireless Point-to-Multipoint Base Station

WBS8000 is a carrier-class wireless WAN Base Station with 5.8 GHz wireless technology provides up to 54 Mbps. WBS8000 Wireless Base Station is a high capacity point-to-multipoint solution. This unit could be quickly and easily connects networks for last mile and enables service providers to offer a robust variety of services to growing numbers of subscribers

- WAN interface support: OC3/STM1, DS3, T1/E1, 10/100BASE-T or V.35;
- QoS with VoIP priority

WBS 8000 POINT-TO-MULTIPOINT BASE STATION

Specifications

HARDWARE

INTERFACE

WAN	(1) WAN module: OC3/STM1, DS3, T1/E1, 10/100BASE-T,V.35
WIRELESS	N-type female antenna
LAN	(1) 10/100 BaseT Fast Ethernet interface (RJ45)
CONSOLE	(1) (RJ45) for local debug purpose
Reset	(1) Reset Button

RADIO

Frequency Range	5.8 GHz frequency band
Modulation Technique	Orthogonal Frequency Division Multiplexing (OFDM)
Sensitivity	-69 to -88 (dBm)
EIRP	2-4 watts
Antenna Type	Omni Antenna (OPTION) Directional Antenna (OPTION)

FRONT PANEL LED

POWER	(1) system power
DIAG	(1) system diagnostic and wireless link strength
ALARM	(1) system alarm
WIRELESS	(1) LINK (link integrity); (1) ACT (activity)
ETHERNET	(1) LINK (system link integrity); (1) ACT (system activity)
WAN	(1) LINK (link integrity); (1) ACT (activity)

SOFTWARE

WIRELESS UPLINK

Radio Control	Power level control Data Rate Selection - Manually selects data rates SSID setup/change Encryption key setup/change
Routing Functions	Fast IP routing and bridging TCP/IP (RFC791, RFC792, RFC793), ARP (RFC826) Static or Dynamic routing protocol supports RIP1 (RFC1058), RIP2 (RFC1723) IP routing based on CoS
Advanced Features	Web/IP redirect ANY IP Bandwidth Allocation Protocol for Wireless Channel. fixed-bandwidth for VOIP session

MANAGEMENT

Network Management	Windows-based WBS Manager, Telnet, Console, SNMP
SNMP	MIB II (RFC 1213) Wireless MIB (IEEE 802.11) Support ARESKOM's private MIB SNMP traps (RFC1215)
WBS Manager remotely manages and monitors subscribers status	
Dynamic Host Configuration Protocol (DHCP)	
DHCP Server (RFC2131, RFC2132)	

PANEL

Front Panel



Back Panel



PHYSICAL

Dimensions	2.6"H x 17"W x 13 "D
Weight:	12 lb
Rack-mounting	19-inch
Power	
Input voltage Range Options:	110/220 VAC; 48 VDC
	AC: Auto-sensing 100/240 VAC 50/60Hz
	DC: -48VDC, 1 A
Power consumption:	50 watts maximum

Operating Environment	Temperature: 0°C to 45°C (32°F to 113°F) Relative humidity: 10% to 85% non-condensing
Compliance/Regulatory**	EMI/RF FCC Part15 Class A, CE EN55022 Class A Immunity: CE EN55024 Safety: EN60950

**All compliances are in filing processes

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