

PRELIMINARY

**ARESCOM** | Broadband Wireless Access Solutions



# WBS7000

## 5.8 GHz Wireless Point-to-Multipoint Edge Base Station

WBS7000 is a carrier-class wireless point-to-multipoint edge base station with 5.8 GHz wireless technology provides up to 54 Mbps in the 5.8 GHz band and uses an orthogonal frequency division multiplexing for the carrier-class performance.

ARESCOM's wireless solutions enable service provide to depot broadband access to entprise, government agencies, school districts, hospitals, and mobile operators. Our solutions provide reliable, high-capacity outdoor networks at a affordable price that can eliminating the need for expensive leased lines or fiber trenching.

# WBS 7000 POINT-TO-MULTIPOINT EDGE STATION

## Specifications

### HARDWARE

#### Interface

WAN	(1) POE 10/100 BaseT Fast Ethernet interface (RJ45)
Wireless	(2) 5.8 GHz RF Port
LAN	(1) 10/100 BaseT Fast Ethernet interface (RJ45)
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	Uplink: Directional Downlink: Omni or Directional Antenna

#### Front Panel LED

System	Power
SIGNAL	Self-diagnosis and wireless link strength
Ethernet 1	Link, Activity
Ethernet 2	Link, Activity
RF1	Link, Activity
RF2	Link, Activity

### SOFTWARE

#### WIRELESS UPLINK

Radio Control	Power level control Data Rate Selection - Manually selects data rates SSID setup/change Encryption key setup/change
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#### WIRELESS DOWNLINK

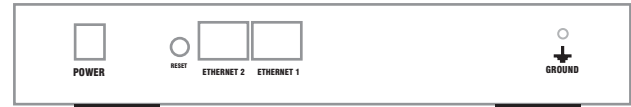
Radio Control	Power level control Data Rate Selection - Manually selects data rates SSID setup/change Encryption key setup/change
Quality of Service	Bandwidth Allocation Protocol for Wireless Channel. Allocate fixed-bandwidth for VOIP session System Resource Reservation Protocol Support WBS8000 at system level to reserve resource VoIP connection session

#### MANAGEMENT

Firmware upgrade available via FTP or locally
Remote reboot
Password protection for system management functions

### PANEL

#### Front Panel



#### Back Panel



### PHYSICAL

Dimensions	8.375" (w) x 6.25"(d) x 1.375" (h)
Weight:	3 lb
Power	Input voltage Range Options: 110/220 VAC or POE External power adapter Input: 120VAC/60Hz or 240VAC/50Hz Output: 48VDC, 0.2A POE (Power Over Ethernet): -48VDC, 0.2A
Power consumption	10 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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Broadband Internet & Remote Access Solutions

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