



The MS5800 Broadband Access Solution Access Point (AP) consists of a 10 Mbps, direct-sequencespread-spectrum wireless transceiver operating in the 5.8GHz unlicensed ISM band with an integrated dual-polarized, electronically switchable planar antenna. The system includes all mounting hardware, power supply, and a Wintel-compatible quick installation wizard for rapid deployment.

Features such as six user-selectable, non-overlapping, programmable channels allow maximum flexibility to change channel assignments robustly on the network while minimizing interference susceptibility.

All programming of the network and of authorized Subscriber Units is consolidated at the AP to maintain full network control. Supported protocols such as secure FTP and Telnet allow network operators to configure and manage the AP database remotely to add, delete, or amend Subscriber Unit CIR/MIR, priority, and AP fall-back associations. In addition, an installation wizard and a comprehensive command summary allows for rapid configuration and detailed network polling, respectively.

The use of SMARTPolling. (patent pending) allows a unique prioritization scheme to ensure the highest quality of service, such as VoIP, to each user at the maximum assigned throughput. The MS5800 BAS AP comes complete with a NEMA 4x-rated enclosure, an integrated sixty-degree beamwidth antenna with dual polarization, a junction box to split power and 10/100 BaseT Ethernet traffic, and a 20Vdc power supply. Imagine, a scalable network solution that is feature-rich at the most cost-effective price . it's here, Wireless Solution!

Technical Specifications

MAXIMUM DATA RATE

10 Mbps

COVERAGE ANGLE

60°

CHANNELS

6 non-overlapping
selectable and definable by the user

OPERATING FREQUENCY

5.725 to 5.850 GHz (unlicensed ISM band)

COMPLIANCE

FCC Part 15.247

CONCURRENT SUBSCRIBERS PER ACCESS POINT

500

ACCESS POINTS PER CELL

12 (6 horizontally polarized, 6 vertically)

MODULATION TECHNIQUE

Direct Sequence Spread Spectrum with RAKE

ADJACENT-CHANNEL REJECTION

> 20 dB

SUPPORTED PROTOCOLS

TCP/IP, Telnet, TFTP, UDP

Physical Specifications

INTERFACES

3 LEDs showing RSSI (for site-survey use), Tx, Rx

RJ45 connector for 10/100 BaseT Ethernet and power

RJ11 serial interface to PC via CBLDAT-1

POWER SUPPLY

15 to 24 Vdc, 10 W typical

20 Vdc via ODU-PKIT-1

DIMENSIONS

13.×8.×3. mounting on 2₃/₈. pole or wall

WEIGHT

4.6 pounds

OPERATING TEMPERATURE

.35° to +50°C

Antenna Specifications