



The MS5800 Broadband Access Solution Subscriber Unit (SU) consists of a 10 Mbps direct-sequence, spread-spectrum, wireless transceiver operating in the 5.8GHz unlicensed ISM band and an external, dual-polarized, electronically switchable 5.8GHz dish antenna. The system includes all mounting hardware, power supply, and a Wintel-compatible quick installation wizard for rapid deployment.

A built-in RSSI indicator allows for fast antenna alignment at the customer premises and, with features such as user-assigned frequency channels, network operators can provide last-mile wireless connectivity easily and efficiently.

Each SU can be programmed with fall-back channels to maximize throughput, ensuring reliable operation.

Remote monitoring of the SU is possible through a secure FTP or Telnet link to the Access Point at the network operations center or remotely. CIR/MIR can be programmed on the fly to suit billing preferences as well as network upgrades . all while the whole network is running!

The use of SMARTPolling. (patent pending) allows a unique prioritization scheme to ensure the highest quality of service to each user at the maximum assigned throughput. The MS5800 SU comes complete with a NEMA 4x-rated enclosure, a high-gain dish antenna with dual polarization (supports up to a ten-mile radius from the AP), 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!

<p>Technical Specifications</p> <p>MAXIMUM DATA RATE 10 Mbps</p> <p>CHANNELS 6 non-overlapping selectable and definable by the user</p> <p>ADJACENT-CHANNEL REJECTION > 20 dB</p> <p>ACCESS POINT ASSOCIATIONS 5 (for redundancy protection)</p> <p>PRIORITIZATION LEVELS supports QoS (e.g. VoIP)</p> <p>OPERATING FREQUENCY 5.725 to 5.850 GHz (unlicensed ISM band)</p> <p>COMPLIANCE FCC Part 15.247</p> <p>SUPPORTED PROTOCOLS TCP/IP, Telnet, TFTP, UDP</p>	<p>Physical Specifications</p> <p>INTERFACES 3 LEDs showing RSSI, Tx, Rx RJ45 connector for 10/100 BaseT Ethernet and power RJ11 serial interface to PC via CBLDAT-1</p> <p>POWER SUPPLY 15 to 24 Vdc, 10 watts typical 20 Vdc via ODU-PKIT-1</p> <p>DIMENSIONS 13.×8.×3. mounting on 2³/₈. pole or wall</p> <p>WEIGHT 4.6 pounds without dish</p> <p>OPERATING TEMPERATURE .35° to +50°C</p>
<p>Antenna Specifications</p> <p>BEAMWIDTH AZIMUTH 5°</p> <p>BEAMWIDTH ELEVATION 5°</p> <p>GAIN 27dBi linear</p> <p>MAXIMUM RANGE 10 miles (with 12dB fade margin)</p>	