



## ipBSC Base Station Controller



The Prism-IPX ipBSC Model Version 2 is a network base station controller designed for use with the Prism-IPX PriMega series of text message handling systems for message transmission over single transmitter or multiple transmitter radio simulcast networks used primarily for paging technology. Data for broadcast sent using Ethernet connectivity from the Prism-IPX PriMega is received by the ipBSC and retimed for transmission using GPS technology or Prism computer server time synchronized to a highly stable time standard.

- ✓ Designed for Simulcast as well as single transmitter installations
- ✓ GPS-corrected, 10 part-per-billion 10 MHz reference signal output
- ✓ GPS time corrected oscillator with long holdover during loss of GPS signal
- ✓ Support for Trimble Acutime GG and 360 GPS units
- ✓ Transmitter interfaces: TTL (0/+5v and 0/+12v); analog tone control + PURC
- ✓ Front panel LED status indicators
- ✓ Front panel USB console port for diagnostic display and configuration
- ✓ Remote console port view over IP network connection



- ✓ Voltage input: 120/240 VAC 50/60Hz supply; optional -48 Vdc, redundant supplies
- ✓ External alarm inputs sensing voltage changes and contact closures
- ✓ Digital: FLEX 1600/3200/6400 (2/4 level data), POCSAG 512/1200/2400, Golay
- ✓ Analog Paging Formats: 2 tone/voice, 5tone/voice
- ✓ Demand Response / Load Management Formats: SA206, SA305, POCSAG, FLEX
- ✓ Low latency for fast transmit times. (network dependent)
- ✓ Dual Paging Data Network Connections for redundant diverse network routing
- ✓ Manages IP enabled transmitters for configuration, monitoring and control
- ✓ Operations Maintenance Interface (OMI) for remote monitoring/managing system
- ✓ Optional built-in OTA paging decoder logs page, sends to remote archive
- ✓ DB25 for digital/analog TX, DB37 for smart digital TX interface + alarm monitoring

Prism-IPX Systems LLC. 11175 Cicero Dr, Alpharetta, GA 30022  
Ph: 678-242-5290 Email: [sales@prism-ipx.com](mailto:sales@prism-ipx.com)