



Analog Cellular Modem

S1189Z / S1189W

- **RS-232 and RS-485 DTE interfaces**
- **Remote configuration and management**
- **Audit trail capabilities with precision time keeping**
- **Quick connect transaction sequences supported at rates of 2400 bps or lower**

This analog cellular security modem is an industrial rated communications device for telemetry and remote management applications. It has been designed to operate on any network utilizing the North American Advanced Mobile Phone Systems (AMPS) standard, which provides error corrected data rates from 300 bps to 9600 bps throughout the United States, Canada, and Mexico. This cellular modem provides a wide range of AC or DC power options, rugged packaging and industrial temperature ratings.

Other features include: DTE interface standards RS-232, RS-485 4-wire full duplex, and RS-485 2-wire half duplex. Alarm detection, password protection, and audit trail facilities with precision time keeping are also included. All attempts to access the cellular modem are stored in a nonvolatile audit trail along with the date and time.





Technical Specifications

S1189Z / S1189W

Data Compatibility: V.32bis, V.32, V.22bis, V.22, V.23, V.21, BELL 212A, BELL 103J
DTE Interface: RS232E (V.24) and RS-485—Autobaud or fixed data rates to 115.2 Kpbs
Auto Dial Modes: Standard AT compatible dial commands or DTR dial of stored numbers
Answer Modes: Standard auto answer or manual answer under DTE control
Error Correction: V.42 and MNP 2-4 error correction—MNP 10 extended cellular services
Data Compression: V.42 bis and MNP 5 data compression
Configuration Control: Standard AT commands for both local and remote configuration
Approvals: FCC Part 15, Class A (Optional International approvals available)

600 mw cellular modem

Power: 9-18 VDC
18-75 VDC

Power Supply

Voltage: Minimum = 8 VDC
Nominal = 12 or 24 VDC
Maximum = 27 VDC
Current (at 12 VDC): Standby = 170 mA, Operating Ranges: 420 mA to 600 mA
Current (at 24 VDC): Standby = 90 mA, Operating Ranges: 230 mA to 320 mA

Environmental

Operating Temperature Range: -40°C to +85°C
Humidity: 95% non-condensing

Cellular Radio

Network Compatibility: North American Advanced Mobile Phone Systems (AMPS)
Power Output: 600 mw (nominal)
Receive sensitivity: -116 dBm (nominal)

PHYSICAL

Dimensions: 6.190" L x 5.120" W x 1.750" H
Weight: 32 oz. (metal enclosure)