

Wireless Gateway Cellular Modem

wiSCAPE™



Project Name _____

Catalog No. _____ Date _____

The wiSCAPE™ Gateway Cellular Modem is a secure Ethernet modem ideal for customers requiring 24/7 broadband connectivity. With simple installation and configuration requirements, the Gateway Cellular Modem is designed to handle robust, fixed applications requiring broadband communication speeds and bandwidth.

Product Features

- 4G LTE performance at 2G power consumption (less than 1W in idle mode)
- Single version for all major North American network operators
- Fully automatic network operator switching: just insert SIM*
- Remote management and configuration
- Meets industrial-grade certifications including Class 1 Div 2, MIL-STD-810G, IP64 ingress protection
- Five-year limited warranty

Compliance and Certification



Dimensional Data



Ordering Information

WIR-MOD-GPRS	
MODEL	
WIR-MOD-GPRS	GPRS Cell Modem add-on option for wiSCAPE™ Gateways*

*Cellular SIM card and service plan not included

General Specifications

Cellular WAN	<p>North American Model (Sierra Wireless MC7354)</p> <p>Carrier Approvals: Verizon, AT&T, Sprint, T-Mobile USA, US Cellular, Rogers, Bell, Telus</p> <p>Supported Frequency Bands:</p> <p>LTE: 1900(B2), AWS(B4), 850(B5), 700(B13), 700(B17), 1900(B25)</p> <p>WCDMA: 2100(B1), 1900(B2), AWS(B4), 850(B5), 900(B8)</p> <p>EV-DO/CDMA: 800(BC0), 1900(BC1), 1700(BC10)</p> <p>GSM/GPRS/EDGE: Quad-band</p> <p>Industry Approvals: FCC, IC, PTCRB</p> <p>Software defined radio with automatic network operatorswitching</p> <p>Dual SIM Interfaces (2FF)</p> <p><i>Note: Cellular Service Plan Not Included with Modem</i></p>
Power	<p>Input Voltage: 7 to 36 VDC</p> <p>LTE Idle Power: 900 mW (75 mA @ 12 VDC)</p> <p>Standby Mode Power: 53 mW (4.4 mA @ 12 VDC) triggered on low voltage, I/O or periodic timer</p> <p>Low voltage disconnect to prevent battery drain</p> <p>Built-in protection against voltage transients including 5 VDC engine cranking and +200 VDC load dump</p> <p>Ignition Sense with time delay shutdown</p> <p>Configurable features and ports to optimize power consumption</p>
Host Interfaces	<p>10/100/1000 Ethernet (RJ45)</p> <p>RS-232 serial port (DB-9)</p> <p>USB 2.0 Micro-B Connector</p> <p>3 SMA antenna connectors (primary, diversity, GPS)</p> <p>Active GPS antenna support</p>
LAN (Ethernet/USB)	<p>DNS, DNS Proxy</p> <p>DHCP Server</p> <p>IP Passthrough</p> <p>VLAN</p> <p>Host Interface Watchdog</p> <p>PPPoE</p>
Environmental	<p>Operating Temperature: -30°C to +70°C / -22°F to +158°F</p> <p>Storage Temperature: -40°C to +85°C / -40°F to +185°F</p> <p>Humidity: 90% RH @ 60°C</p> <p>Military Spec MIL-STD-810G conformance to shock, vibration, thermal shock, and humidity</p> <p>IP64 rated ingress protection</p>
Dimensions	4.69" L x 1.34" x 3.35" (3.70 in including connectors)
Certifications	<p>Safety: IECEE Certification Bodies Scheme (CB Scheme), UL 60950</p> <p>Vehicle Usage: E-Mark (UN ECE Regulation 10.04), ISO7637-2, SAE J1455 (Shock & Vibration)</p> <p>Hazardous Environments: Class 1 Div 2</p> <p>Environmental: RoHS, REACH, WEEE</p>
Warranty	Five-year limited