



DATASHEET

MobilityPro® 5000 Gateway Mobile Cellular Connectivity



PRODUCT HIGHLIGHTS

- New USB expansion feature connects up to 10 additional serial devices
- Rugged design protects against shock and vibration
- Cellular coverage extends reach without maintenance fees
- High-speed 3G technology provides “always-on” connectivity
- Advanced event reporting enables real-time tracking
- Remote device management reduces onsite visits
- Software Development Kit supports custom applications

APPLICATIONS

- In-vehicle resource management
 - Public safety
 - First responder
 - Fleet automation
 - Public transit
 - Intelligent transportation systems
 - Field service automation
- Portable and fixed cellular connectivity
 - Mobile merchants
 - Remote kiosks
 - Convenience stores

Sixnet’s MobilityPro® 5000 Gateways combine 3G cellular technology with a convenient USB expansion feature to provide a scalable, cost-effective connectivity solution for mobile and fixed data applications that require secure, real-time communication.

With embedded GPS functionality, MobilityPro Gateways are ideal for in-vehicle public safety, first responder, fleet automation and intelligent transportation system deployments where high-speed communication is vital. The new USB expansion feature provides additional serial ports so users can easily connect external GPS and safety devices such as “man-down” applications to improve employee safety and productivity. Retail customers can also connect many legacy serial devices such as cash registers or remote kiosks at mobile merchant and convenience store locations.



FEATURES & BENEFITS

Total Cost of Ownership Advantages

- **Speeds deployment and reduces onsite visits to drive ease of use**
- **Provides flexible connectivity across devices**
 - Remote device configuration, diagnostics and firmware upgrades
 - Custom applications with Software Development Kit
 - Multiple antenna options
 - General purpose inputs and outputs

Ubiquitous Cellular Coverage

- **Extends reach without maintenance fees**
- **Reduces mobile communication costs**
 - 3G GSM HSPDA/HSUPA & 3G CDMA EVDO Rev. A
 - Secure, real-time mobile and fixed data communication

High-Speed 3G Vehicle Access

- **Improves communication with dispatch**
- **Reduces emergency response time**
 - Embedded GPS functionality
 - USB interface for additional serial devices
 - Automated location-based routing

Advanced Event-Reporting Engine

- **Optimizes fleet management and tracking**
- **Increases mobile efficiency and safety**
 - Vehicle ignition on/off
 - Real-time and distance-based tracking
 - Speed, idling and I/O state change reports

Rugged, Compact Design

- **Deploys easily in space-constrained areas**
- **Delivers proven reliability**
 - -40 to 85°C operating temperature
 - Industrial, shock-resistant packaging

FLEXIBLE. RELIABLE. POWERFUL.

MobilityPro 5000 Gateway

Mobile Cellular Connectivity

SPECIFICATIONS

Wireless Radio Options

- GSM HSPDA/HSUPA (BT-5800)
 - 14.4 Mbps peaks
- CDMA EVDO Rev. A (BT-5600v2)
 - 4.1 Mbps peaks

GPS

- Accuracy
 - < 2m: 50%
 - < 4m: 90%
- Acquisition
 - Hot start: 3 seconds
 - Warm start: 35 seconds
 - Cold start: 38 seconds
- Sensitivity
 - Tracking: -160 dBm
 - Acquisition: -146 dBm
- Augmentation: SBAS (WAAS, EGNOS)
- GPS protocols: TAIP and NMEA

Interfaces

- 1x RJ45 10/100 Mbps autosensing
- 1x RS-232 Serial DB9 (up to 115,200 Mbps)
- 1x USB1.1 Type B device (up to 12 Mbps)
- USB host port

Inputs & Outputs

- 1x reset button
- 1x ignition sense
- 4x digital inputs
- 3x digital outputs
- 3x analog inputs

LED Status Indicators

- Power
- WAN
- Signal
- GPS
- RS-232
- Ethernet link
- Ethernet activity

Management & Reporting

- Advanced event reporting engine
- Remote device management
- Web-based network monitoring

Power

- Supported Range: 8-30v DC
- Nominal: 8 and 24VDC

Mechanical

- Dimensions (HxWxD):
6.5" x 4.2" x 2.2" (166 x 107 x 56mm)
- Weight: 1lbs 1oz (489g)

Environmental

- Operating Temp: -40°C to 85°C
- Humidity: 95% non-condensing
- Shock: MIL-STD-810F and MIL-STD-202
- Vibration: MIL-STD-810F
- Automotive: SAE J1455

Warranty

- 3 years on design and manufacturing defects

ABOUT SIXNET

Celebrating 35 years in operation, Sixnet provides innovative machine-to-machine (M2M) connectivity to industrial customers and markets worldwide. Sixnet's flexible solutions enable organizations to cost-effectively increase business productivity. By integrating powerful enterprise-class networking with rugged reliability, Sixnet meets the standards of the most demanding industrial applications in industries such as power & energy, banking & retail, transportation, video & security, utilities, military, mobile data, maritime and more. Based in Ballston Lake, NY, the company has offices across North America, Asia and Europe.

For more information, visit www.sixnet.com, email sales@sixnet.com or call +1 518 877 5173

ORDER GUIDE

PART NUMBER	DESCRIPTION
BT-5600v2-XX	CDMA EVDO Rev. A*
BT-5600v2-XX-U	CDMA EVDO Rev. A* with USB Host
BT-5800v2-XX	GSM HSPDA/HSUPA**
BT-5800v2-XX-U	GSM HSPDA/HSUPA** with USB Host

*CDMA (Sprint/Verizon approvals)

**GSM (AT&T/Rogers/Telus/Bell Mobility approvals)

XX = AL Alltel, BM Bell Mobility, MT MTS, ST Sasktel, SP Sprint, TE Telus, VZ Verizon, AT AT&T, TM T-Mobile, RO Rogers
or XX for non-carrier specific



Sixnet, LLC Corporate Headquarters
331 Ushers Road, Ballston Lake, NY 12019

T +1 518 877 5173 F +1 518 877 8346

FLEXIBLE. RELIABLE. POWERFUL.

© 2011 Sixnet. All Rights Reserved. JUN2011