BT-6000 Series IndustrialPro™ M2M Gateways

Sixnet Networking Series

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►►► **Compact Cellular Gateway**

Sixnet's IndustrialPro™ M2M Gateways offer high-speed, secure wireless TCP/IP connectivity to critical assets and devices at remote sites. As a compact cellular gateway, the IndustrialPro provides real-time data access, monitoring and control regardless of location.

With Ethernet and Serial interfaces, our rugged industrial gateways cost-effectively connect RTUs, meters, sensors and other remote devices to a central site or SCADA server. When used as a back-up application, the IndustrialPro delivers high-speed connectivity to reliably ensure business continuity.
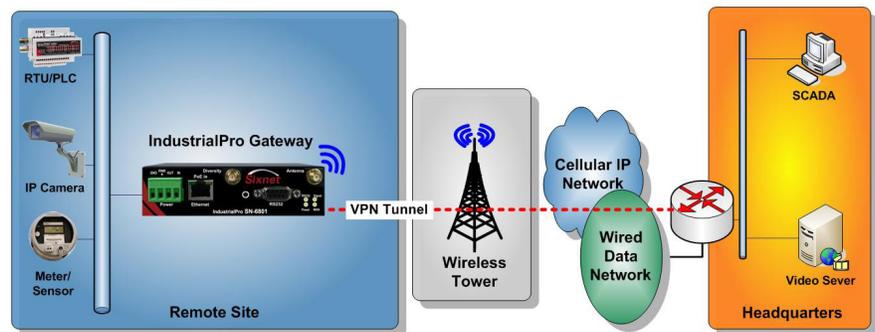

PRODUCT HIGHLIGHTS

- Remote site access lowers total cost of ownership
- Simplified deployment and configuration provides ease of use
- Facilitate connectivity in space-constrained locations
- Built-in security provides infrastructure protection
- Rugged, reliable design supports the toughest applications

APPLICATIONS

- Power & Energy
- Oil & Gas
- Water/Wastewater
- Transportation
- Video & Security

FEATURES & BENEFITS

Ubiquitous Cellular Connectivity
- **Costs less per month than traditional landlines**
- **Provides comprehensive coverage without dedicated infrastructure**
  - 2G/2.5G (GSM GPRS/EDGE and CDMA 1XRTT)
  - 3G (GSM WCDMA/HSDPA/HSUPA or EVDO Rev A)

Built-In Security
- **Protects against unwanted intrusion**
- **Provides ultra-reliable "always on" cellular connection**
  - VPN tunnel: IP SEC, SSL
  - Access Control List (ACL)

Rugged, Compact Design
- **Deploys easily in space-constrained locations**
- **Requires less cabling and power supplies**
  - -40°C to +75°C* operating temperature
  - DIN-rail mounting
  - Power over Ethernet (PoE) options

Total Cost of Ownership Advantages
- **Eliminates visits to remote sites**
- **Reduces infrastructure complexity**
  - Connect multiple devices to single WAN link
  - Remote TCP/IP based capabilities
  - Multiple interfaces: 1 or 5 Ethernet ports, USB and serial

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SPECIFICATIONS

Ethernet Interface
- 1xRJ45 Ethernet 10/100 auto-sensing (BT-6x00, BT-6x01, BT-6x01EB)
- 5x RJ45 Ethernet 10/100 auto-sensing (BT-6x21)

Serial Interface
- 1x RS-232 Serial DB9 115200bps

USB Interface
- 1x USB2.0 mini device port

LED Status Indicators
- Power, WAN, Signal, RS232, Ethernet Link and Activity

Inuts & Outputs
- 1x reset button
- 1x digital output
- 1x digital input

Dimensions
- BT-6x0x: Steel 120 x 96 x 32 mm (4.7" x 3.77" x 1.25"), 453g (1 lb)
- BT-6x21: Steel 120 x 96 x 51 mm (4.7" x 3.77" x 2.0"), 500g (1.1 lbs)

Power Input
- 8 - 30 Vdc (12Vdc nominal)

Environmental
- Operating Temp: -40°C to +75°C*
- Shock: IEC60068-2-27,
- Vibration: IEC60068-2-6
- Humidity: 5 to 95% non-condensing

Certification
- EMC:FCC, part 15 and Industry Canada, ICES-003
- Hazardous Locations: Class I, Div. 2, Groups A,B,C,D, UL1604
- Electrical Safety: UL508/CSA22.2/14 (CUL)

All specifications are subject to change. Contact Sixnet to learn more.

* See Hardware Manual for thermal considerations.

SELECTION GUIDE

Model	Cellular Technology	Ethernet	RS-232	USB	PoE
BT-6401	EDGE	1	1	1	-
BT-6401EB	EDGE	1	1	1	1
BT-6421	EDGE	5	1	1	-
BT-6601-xx*	EVDO	1	1	1	-
BT-6601EB-xx*	EVDO	1	1	1	1
BT-6621-xx*	EVDO	5	1	1	-
BT6801	HSPA	1	1	1	-
BT-6801EB	HSPA	1	1	1	1
BT-6821	HSPA	5	1	1	1

* "xx" is the EVDO (CDMA) cellular provider: VZ (Verizon), SP (Sprint) and AL (Alltel) in U.S.; BM (Bell Mobility), TE (Telus Mobility), ST (Sasktel Mobility) and MT (MTS Allstream) in Canada; cellular provider for HSPA is AT&T

Model Draw in mA (at 24VDC)	Power Consumption		
	Standby	Tranmitting	Peaks
BT-660x	58	106	222
BT-6621	125	175	290
BT-680x	58	160	400
BT-6821	125	225	470
BT-6401	58	123	208
BT-6421	115	180	265

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