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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## ▶▶▶ Compact Cellular Gateway



### PRODUCT HIGHLIGHTS

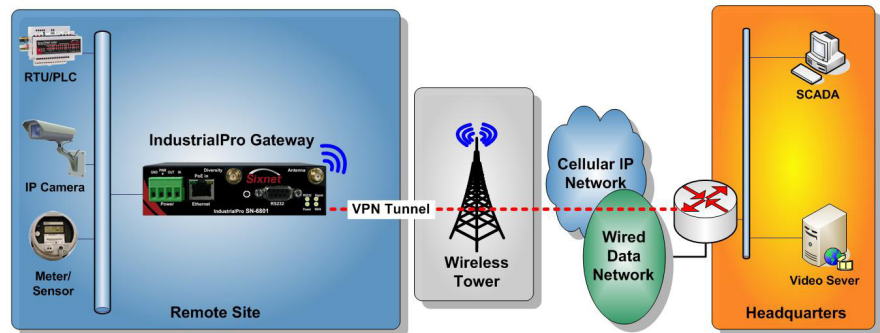
- Remote site access lowers total cost of ownership
- Simplified deployment and configuration provides ease of use
- Facilitate connectivity in space-constrained locations
- Built-in security provides infrastructure protection
- Rugged, reliable design supports the toughest applications

### APPLICATIONS

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

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.



### 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



# ▶▶▶ BT-6000 Series IndustrialPro™ M2M Gateway Specifications

## Ethernet Interface

- 1x RJ45 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

## Inputs & 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.

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	-
BT-6801	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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