

NProbe GT-431

GPRS Data Transceiver for Remote Device Management

Overview

NProbe GT-431 GPRS Data Transceiver enables various kinds of legacy devices with simple I/O and proprietary serial protocols to communicate over GSM/GPRS network and the Internet easily and freely. It not only works as a GPRS Modem, but also can cooperate with NXN's New GPRS Gateway Software to construct a smooth "GPRS Data Tunnel" between Host End and Remote End, ensuring an efficient communication for data transmission and remote device management. With 1 selectable RS-232/485 serial port, 2 RS-232 serial ports 6 Digital Inputs and 2 Digital Outputs, GT-511 is an ideal solution for factory automation, environmental monitoring and remote device management for M2M industry. Meanwhile, it is supplied with easy-to-use API and New GPRS Gateway Software that streamline application development process, freeing system integrators from dealing with complex communication protocols of GPRS and the Internet. Users do not need to change the existing system, saving cost and time for field maintenance, and making it a perfect solution for data transmission.



GT-431 Advanced GPRS Data Transceiver

Features

- ◆ Quad band GSM/GPRS 850/900/1800/1900MHz
- ◆ 1 x selectable RS-232/485 serial port, 2 x RS-232 serial port, 6 x Digital Input, 1 x Digital Output
- ◆ Continuous and automatic GPRS VPN Management (GPRS Data Tunnel)
- ◆ GUI-based Console Utility
- ◆ Industrial design with surge protection
- ◆ Easy-to-use API (VC/VB/BCB)
- ◆ Built-in Watch Dog
- ◆ Real-time Clock (RTC)
- ◆ Local and remote configuration over the air (OTA)
- ◆ Remote firmware upgrade over the air (OTA)
- ◆ Support Virtual COM

Benefits

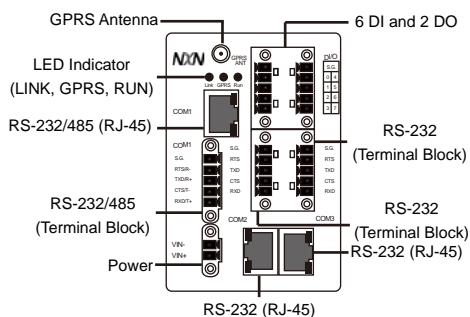
- ◆ Industrial design with intelligent software capabilities, making it a reliable GPRS solution for data collection and transmission
- ◆ Connect to any serial device to GPRS and the Internet
- ◆ Plug-and-play design with easy-to-use API for easy integration
- ◆ No need to build expensive fixed line network, saving cost substantially
- ◆ Easily manage and control distributed remote devices over the air
- ◆ Reliable GPRS network connectivity, providing fast and cost-effective long-range wireless communication

Applications

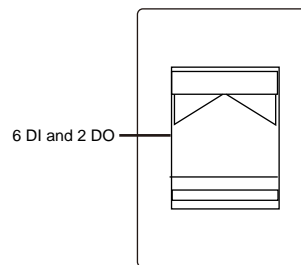
- ◆ Remote data monitor and control
- ◆ Water, gas and oil flow metering
- ◆ AMR (automatic meter reading)
- ◆ Power station monitoring and control
- ◆ Remote POS (point of sale) terminals
- ◆ Traffic signals monitor and control

Panel

Front



Back



Specifications

All specifications are subject to change without prior notice.

NProbe GT-511 GPRS Data Transceiver

General Specifications	Processor Environment	Low power-consumption CPU, 128KB SRAM
	Power Consumption	4.8W (searching GPRS), <1W (idle)
	Frequency	900/1800MHz/850/1900MHz
	Voltage	9~35VDC
	LED Status Indicator	RUN/GPRS/Serial Bus
	Data Logger Capacity	2MB
	Firmware Upgrade	through serial port or by air interface
	Parameter Setting	through serial port or by air interface
	Virtual COM	Yes
	Protocol Supported	TCP, PPP
GPRS Specifications	GPRS Multi-slot	Class 10
	GPRS Mobile Station	Class B
	Code Scheme	CS1, CS2, CS3, CS4
	PPP-Stack	Yes
	Module Approvals	GCF, R & TTE
Interface	RS-232/485	1
	RS-232/422/485	N/A
	RS-232	2
	Digital Input	6
	Digital Output	2
Mechanical Specifications	Operating Temperature	-20°C~60°C
	Storage Temperature	-30°C~80°C
	Humidity	5%~95% RH
	Regulatory Approval	CE, FCC, C-Tick, RoHS
	Dimensions (L x W x H) (mm)	92 x 86 x 62
	Weight (g)	500
	SIM Card Holder	3V/5V
	RJ-45 Connector	RS-232/485 x 1 RS-232 x 2
	Terminal Block	Serial port/DIO/power
SMA F External Antenna Connector	Yes	
DIN-rail	Yes	
Battery (optional)	1000mAh	

