

InDTU332G

Rugged Industrial Serial to GPRS Data Terminal Unit/Modem



Industrial Design:

- Wide Operating Temperature: -25~70°C(-13~158°F)
- Power Input: 5 – 35 VDC Industrial Terminal
- Highly resistant to electric surges, static discharge

High reliability: Ten year track-record in global electric grids

Low Power Consumption: 0.15W(Standby), 0.54W (Operating)

Industrial Communication Protocols:

IEC 101 to 104, Modbus TCP, Transparent TCP, Modbus RTU

InHand Remote Access: Virtual serial-port, Device Manager

Overview

The InDTU332G series of rugged industrial quad-band GSM/GPRS data terminal units (DTU) are designed to transmit serial data over the GSM/ GPRS mobile network. The modems are light-weight, compact-designed modems combined with rich features of high performance, high security, and low power consumption. It has operation temperature ranging from -25°C to 70°C (-13 ~ 158°C), wide-ranging power inputs from 5V to 35V and high EMC levels. The modems can support several management tools, including a handheld configuration tool, Device Manager, and configuration utilities. InDTU332G is well proven product approved by high-end customers including Siemens, Schneider Electric, China State Grid and it is compliant with the smart grid industrial DL/T 721-2000 standard for tele-control in power grid automation.

Specifications

Cellular Network Interface

Quad-band GSM/GPRS: 850/900/1800/1900 MHz
 Support Private Network: APN
 Authentication Method: CHAP/PAP
 SIM Card: 3V, flip-out SIM card holder, anti-vandalism

Operation Environment

Temperature: Working: -25~70°C(-13~158°F)
 Storage: -40 ~ 85°C(-40 ~ 185°F)
 Humidity: 5% - 95%, non-condensing
 Protection Level: IP30

Industrial Serial Interface

Serial ports: Two ports (3.81mm industrial terminal pluggable blocks)

Port1: RS-232/RS-485 for data transmission and configuration;

Port2: RS-232 only for configuration;

Baud Rate: 1200bps to 115200bps

Support industrial data protocols:

IEC 101 to 104, Modbus RTU to TCP, Transparent TCP

Device Power Consumption

Standby: < 12mA@12V Operation: < 45mA@12V

Start up: < 100mA@12V Peak: < 100mA@12V

Manage and Configure

Port	WAN	Port 1	Port 2
Config Method	1. TELNET 2. Config Tool	Config Tool	Config Tool
Batch Configuration	Device Manager (InHand M2M Platform)		

EMC Features

ESD: EN61000-4-2, level 4

Surge Protection: EN61000-4-5, Level 3

EFT: EN61000-4-4, Level 4

Radiated, radio-frequency, electromagnetic field: EN61000-4-3, Level 4

Immunity: EN61000-4-6, Level 4

Oscillatory Wave Immunity: EN61000-4-12, Level 4

Variation Magnetic Field Immunity: EN61000-4-8, Level 4

Anti-Vibration: IEC60068-2-27

Drop: IEC60068-2-23

Shock: IEC60068-2-6

Auto-Recovery and Auto-Reboot

Built-in hardware watchdog, disaster self-recovery

PPP link detection disaster self-recovery

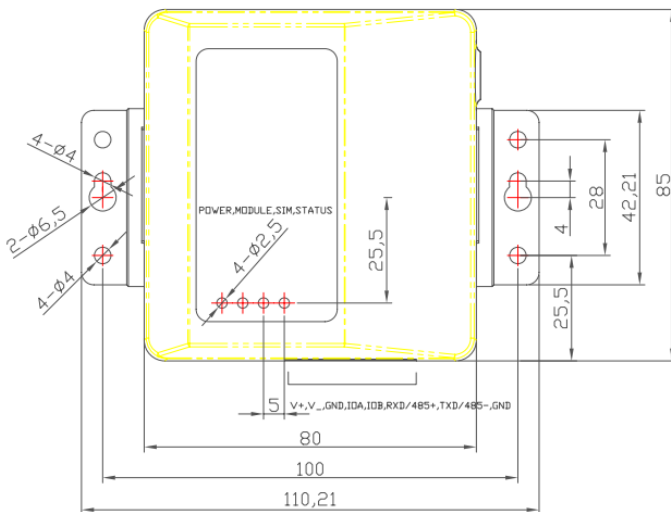
Patented upgrades mechanism, preventing bad upgrades

Warranty

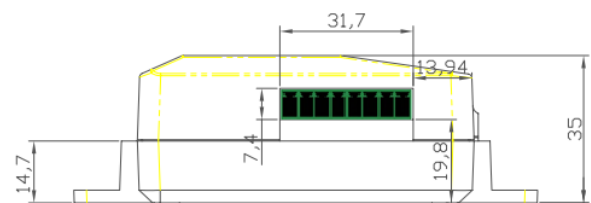
Warranty Period: 3 years

Dimensions(mm)

L×W×H=110×85×35mm



Front View



Side View

Ordering Information

Available Models

InDTU 332 GS55-232: Quad Band RS232 to GSM/GPRS model

InDTU 332 GS55-485: Quad Band RS485 to GSM/GPRS model

InHand Networks

InHand Networks has become the leader in industrial grade network technology by designing and manufacturing rugged cellular routers, industrial Ethernet switches, wireless sensor network devices and cloud based platforms for our industrial partners worldwide.

Partnered with companies such as Rockwell Automation, Schneider Electric and many others, InHand Networks has been recognized by world class partners for quality standards and industrial design over a decorated 14 year career.

InHand Networks -Connecting Devices, Enabling Services.



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