

GPRS M2M Terminal

TAIKO
NETWORK COMMUNICATIONS

TNC-G121

Quad-Band GSM 850/900/1800/1900MHz

The TNC-G121 M2M data unit from Taiko provides a high speed, always online, transparent virtual lease line between remote site and host network. These units are designed for M2M connection with variety of devices such as RTU, weather station, remote power meters, vending machines, ATMs, Wireless Pay phone and traffic control, etc.

The TNC-G121 M2M Data Unit is the ideal solution for those seeking to develop M2M wireless applications based on GSM/GPRS technology.



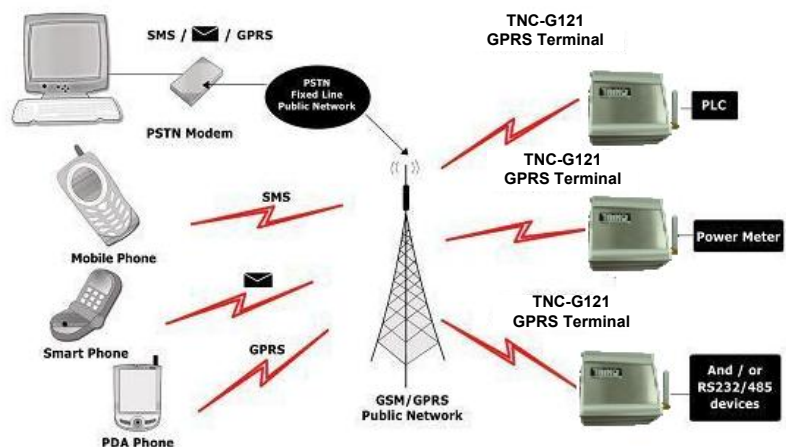
Features

- Quad-band 850/900/1800/1900MHz
- Serial Device Interface
- UDP/TCP connection
- Keep Alive, and auto reconnection
- Packet Compression for slow link device
- Transparent transmission mode
- In built processor, protocol stack and software for automatic GPRS connection and forwarding
- Support point to point and host to multipoints
- Rugged, Industrial IP40 Enclosure

Applications

- Remote monitoring and data acquisition
- Alarm & Security System
- Weather Station
- Power Meter
- Vehicle communications system
- Vending machine
- ATM
- Wireless Terminal
- Traffic control
- Fleet management

GSM / SMS ■ GSM / GPRS ■ Applications Software / Server



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Specifications

Product Feature :

- Wavecom GSM/GPRS chipset embedded
- Quad-band GSM/GPRS module
- GSM 850/900/1800/1900MHz
- Compliant with GSM Phase 2+ standard
- Packetization time
- Host Name or IP connection
- Keep Alive
- Support TCP/UDP and ICMP
- Auto GRPS reconnect

Serial Interface :

- RS-232 DTE
- Male DB-9 Connector
- Full serial and modem signals
- Speed 300~460800
- Data bit 7 or 8
- Stop bits 1 or 2
- Parity None, Even, Odd
- Flow control – None, RTS/CTS
- Protection – 15KV ESD and short circuit

Hardware / Software Interface:

- Antenna Interfaces
- SMA (50ohm) RF connector
- Connector Interface including:
- RS232 (DB15-F)
- SIM Holder
- Power supply connection
- AT command set according to GSM 07.05, 07.07

GPRS Packet Data:

- GPRS Class B
- GPRS Multi-slot Class 10
- 3 slot downlink (85.6kbps), 1 slot uplink
- (42.8kbps), max 4 slot
- Coding Schemes: CS1 to CS4

GSM Circuit Switched Data :

- Asynchronous
- Transparent/ non-transparent
- Up to 14.4kbps

General Information:

- Dimension (H x W x D): 63 x 90 x 36 mm
- Weight: 200 g
- Operating Temperature: - 15 ~ + 55 °C
- Storage Temperature: - 20 ~ + 65°C
- Power supply : 9~32Vdc
- 1-5W power consumption

- **Specifications subject to change without notice (Ver 1.2)**

Order Information

Model

TNC-G121

Descriptions

Quad-band GPRS M2M Data Unit

Optional Accessories

GSM-D4-3

GSM Remote short antenna

GSM-D4-5

GSM Remote antenna (with 2.5m extension cable)