

# GSM/GPRS Modem

**TAIKO**  
NETWORK COMMUNICATIONS

## TNC-G110

### Tri-Band GSM900/DCS18000/PCS1900 GSM/GPRS Modem

The TNC-G110 from Taiko is an intelligently designed and powerful tri-band GSM/GPRS class 10 modem. These modems are designed for a variety of applications, such as alert device, remote monitoring, car phone, vehicle tracking, vending machines, ATMs, Wireless Pay phone and traffic control, etc.

The TNC-G110 GSM/GPRS modem is the ideal solution for those seeking to develop wireless applications based on GSM/GPRS technology.

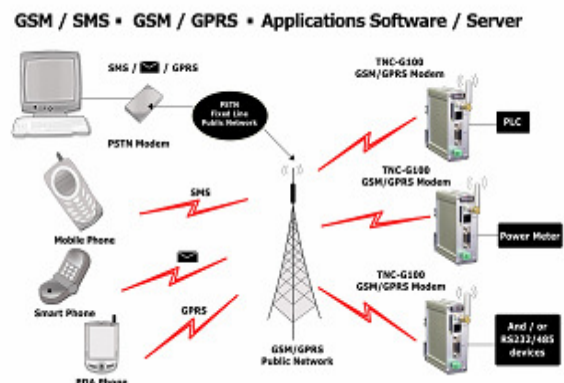


### Features

- Tri-band GSM900/DCS1800/PCS1900
- Compact, high-performance and cost-effective
- Embedded TCP/IP
- Total communications solution
  - Supports GSM-GPRS, GSM-data, GSM-SMS, voice, fax, serial RS232
  - Supplementary services including Number Identification, Call Forwarding, Call Barring, Multi-Party Calls, Call Waiting, Call
- Hold, Explicit Call Transfer
- Rugged, Industrial IP40 Enclosure
- 35mm Din Rail Mounting
- Save profile
- DIP switch selectable for DTR reset function

### Applications

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



# Specifications

## Product Feature :

- Tri-Band GSM/GPRS module
- EGSM900/DCS1800/PCS1900
- Compliant with GSM Phase 2+ standard
- Control via AT commands
- Supply Voltage range from 9Vdc to 36Vdc

## Supplementary Services :

- Number identification
- Call forwarding (Call Divert)
- Call completion
- Multi Party
- Charging
- Call barring

## Voice :

- HR/FR/EFR
- Noise deduction, echo cancellation
- Telephony
- Emergency Call
- Dual Tone Multi Frequency Function (DTMF)

## Hardware / Software Interface:

- Antenna Interfaces
- SMA (50ohm) RF connector
- Connector Interface including:
- RS232 (9600~115200bps) D-sub9 female
- SIM Holder
- Analog audio input/output via Handset
- Power supply connection
- Paging LED signal indicator
- AT command set according to GSM
- 7.05, 27.07

## Short Message Service (SMS) :

- Delivery Report
- Point to point MT/MO
- Cell Broadcast

## GSM Circuit Switch Data:

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

## General Information:

- Dimension (H x W x D): 95 x 35 x 74 mm
- Weight: 210 g
- Operating Temperature: - 20 ~ + 60 °C
- Functional Temperature: - 20 ~ + 70 °C
- Storage Temperature: - 40 ~ +85 °C
- 5mm Din rail mounting, IP40
- Current: 15mA at 12V

## GPRS Packet Data:

- GPRS Class B
- GPRS Multi-slot Class 10 (TNC-G110)
- 3 slot downlink (86.6kbps), 1 slot uplink (42.8kbps), max 4 slot
- Coding Schemes: CS1 to CS4

\* Specifications subject to change without notice (Ver 1.6)

## Order Information

Model	Descriptions
TNC-G110	900/1800/1900 MHz Tri-band GSM/GPRS Class 10 Modem
TNC-G110-E	900/1800/1900 MHz Tri-band GSM/GPRS Class 10 Modem (embedded microprocessor)

## Optional Accessories

<b>GSM-D4-3</b>	GSM Standard antenna
<b>GSM-D4-5</b>	GSM Remote antenna (with 2.5m extension cable)
<b>CAB-232-01</b>	RS232C cable, 1m
<b>ADP-U012</b>	Universal AC/DC Power Adaptor, Input 100~240 VAC, Output 3-12 VDC
<b>DR-01</b>	Din Rail, 35mm, mounting plate
<b>PN L-01</b>	Panel Mounting Plate

## Type Approval

### Singapore

TAC No. PRNEQ-T0577-2005