

# GSM/GPRS Modem



## TNC-G120

### — Tri-Band GSM900/1800/1900 GSM / GPRS M2M Data Unit

The TNC-G120 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-G120 M2m Data Unit is the ideal solution for those seeking to develop M2M wireless applications based on GSM/GPRS technology.

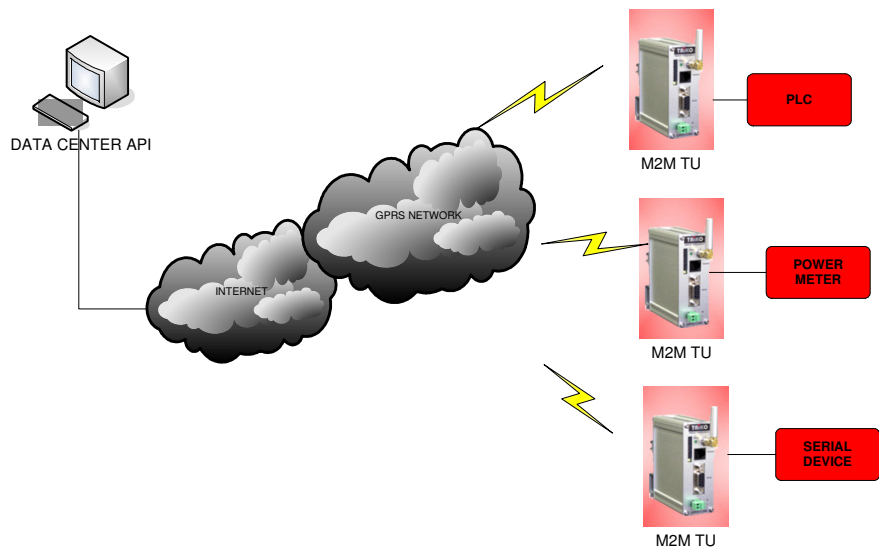


### — Feature

- Tri-band GSM900/DCS1800/PCS1900
- Compact, high-performance and cost-effective
- Always on line
- 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
- 35mm Din Rail Mounting

### — Applications

- Remote monitoring and data acquisition
- Alarm & Security System
- Power meters
- Weather station
- Vending machine
- ATM
- Wireless Terminal
- Traffic control
- Fleet management



# Specifications

<p><b>Product Feature :</b></p> <ul style="list-style-type: none"> <li>• Tri-Band GSM/GPRS module - EGSM900/DCS1800/PCS1900</li> <li>• Compliant with GSM Phase 2+ standard</li> <li>• Control via AT commands</li> <li>• Supply Voltage range from 9Vdc to 36Vdc</li> </ul>	<p><b>Supplementary Services :</b></p> <ul style="list-style-type: none"> <li>• Number identification</li> <li>• Call forwarding (Call Divert)</li> <li>• Call completion</li> <li>• Multi Party</li> <li>• Charging</li> <li>• Call barring</li> </ul>
<p><b>Voice :</b></p> <ul style="list-style-type: none"> <li>• HR/FR/EFR</li> <li>• Noise deduction, echo cancellation</li> <li>• Telephony</li> <li>• Emergency Call</li> <li>• Dual Tone Multi Frequency Function (DTMF)</li> </ul>	<p><b>Hardware / Software Interface :</b></p> <ul style="list-style-type: none"> <li>• Antenna Interfaces -SMA (50ohm) RF connector</li> <li>• Connector Interface including: <ul style="list-style-type: none"> <li>- RS232 (9600~115200bps) D-sub9 female</li> <li>- SIM Holder</li> <li>- Analog audio input/output via Handset</li> <li>- Power supply connection</li> <li>- Paging LED signal indicator</li> </ul> </li> <li>• AT command set according to GSM • 27.05, 27.07</li> </ul>
<p><b>Short Message Service (SMS) :</b></p> <ul style="list-style-type: none"> <li>• Delivery Report</li> <li>• Point to point MT/MO</li> <li>• Cell Broadcast</li> </ul>	<p><b>General Information :</b></p> <ul style="list-style-type: none"> <li>• Dimension (H x W x D): 95 x 35 x 74 mm</li> <li>• Weight: 210 g</li> <li>• Operating Temperature: - 20 ~ + 70 °C</li> <li>• Storage Temperature: - 40 ~ +85 °C</li> <li>• 35mm Din rail mounting, IP40</li> <li>• Current: 15mA at 12V</li> </ul>
<p><b>GSM Circuit Switched Data :</b></p> <ul style="list-style-type: none"> <li>• Asynchronous</li> <li>• Transparent/ non-transparent</li> <li>• Up to 14.4kbps</li> </ul>	<p><b>GPRS Packet Data :</b></p> <ul style="list-style-type: none"> <li>• GPRS Class B</li> <li>• GPRS Multi-slot Class 4</li> <li>• 3 slot downlink (86.6kbps), 1 slot uplink (42.8kbps), max 4 slot</li> <li>• Coding Schemes: CS1 to CS4</li> </ul>

**\* Specifications subject to change without notice (Ver 1.6)**  
**\*\* Comes with DTR toggling signal for re-booting of modem.**

## Order Information

Model	Description
<b>TNC-G120</b>	900/1800/1900 MHz Tri-band GSM/GPRS Modem (Antenna not included)

## Optional Accessories

<b>GSM-D4-5</b>	GSM Remote antenna (with 2.5m extension cable)
<b>PNL-01</b>	Panel Mounting Plate