



Compañía Internacional de Telecomunicaciones

TL138G1



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**DESCRIPTION (GSM FWT AS SAMPLE)**

TL-138G1(industries module Fixed Wireless Terminal) is a Fixed Wireless Terminal designed to provide better wireless connectivity between POTS (plain old telephone set) and existing 850MHz/900MHz/1800MHz/1900MHz. GSM network with high sensitivity to receive signal and large transmitting power to expand extensively the effective coverage of GSM service. It can be used not only in communication for vehicles such as automobiles, trains, floating vehicles, etc., but also in communication for construction sites, isolated islands and rural areas where hardwire-line telephone service is unavailable. So they are widely used in home & office, public phone, rural areas, steamer, railway etc.

TL-138G fwt---a solution for expanding GSM service coverage!

**MAIN FUNCTION & FEATURES**

- 1) Simple to install and easy to maintain
- 2) Adopts industrial module (wavocom engine) to ensure good performance
- 3) Provides optimized circuit directly connecting the exchange device for extensions
- 4) Compatible to most telephones, PBX (for office use) and VoIP gateways (for call termination)
- 5) Strong signals with high gain antenna
- 6) Attractive plastic casing
- 7) Support GPRS (optional)
- 8) SIM card supported (3V, 5V)
- 9) Caller ID display
- 10) Provides reversal polarity signal for metering
- 11) No noise and clear voice
- 12) Suitable for wide voltage range and low power consumption
- 13) Suitable for all kinds of weather and environment
- 14) Support PSTN to GSM; GSM to PSTN; LCR (optional)
- 15) RJ-11 ports (two extensions: line / phone and line (optional))
- 16) Locking PIN / network (optional) Specifications:
  - 1) Air interface standard: GSM 900MHz / 1800MHz Phase2+
  - 2) Frequency ranges:
    - a) GSM 850
    - b) GSM 900:
      - i) Transmission: 890 ~ 915MHz
      - ii) Reception: 935 ~ 960MHz
    - c) GSM 1800:
      - i) Transmission: 1,710 ~ 1,785MHz
      - ii) Reception: 1,805 ~ 1,880MHz
    - d) 1850 ~ 1990 MHz

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- 3) Channel space: 200 kHz
- 4) User line, bell signal: in line with GB/T15279
- 5) Max power: 0.25W / 2W
- 6) Consumption:
  - a) Im mobility:  $\leq 25$  mA
  - b) Transmission:  $\leq 400$  mA
- 7) Sensitivity: -105dB
- 8) Dial tone frequency: 450MHz (standard)
- 9) Surrounding temperature:  $-10^{\circ}\text{C} \sim +40^{\circ}\text{C}$
- 10) Relative humidity: 45% ~ 90% (without frost)
- 11) Atmosphere pressure: 86 ~ 106KPa
- 12) Environment noise:  $< 60$  dB
- 13) Antenna amplifying: 3.5dB (omni directional), 12dB (certain direction / chosen direction)
- 14) AC power: DC 8V - 15V
- 15) Input: AC 100 - 230V, 50 / 60Hz
- 16) Output: 12V 1A
- 17) Switching type / transformer type AC adapter (optional)
- 18) Connector of power: China
- 19) Dimensions (L x W x H) (average): 168 x 110 x 30mm
- 20) Weight:
  - a) FW T: 250g
  - b) Full set with AC adapter, antenna and box: 600g
- 21) Colors: black / blue (optional)
- 22) Connection mode: RJ-11 phone sockets
- 23) Antenna connection: SMA antenna connection

### Applications:

- 1) For public use as payphones
- 2) For office and home use
- 3) For rural and mountainous areas
- 4) For mobile carriages, like ships, automobiles and trains
- 5) For those places where hard wire-line telephone service is unavailable

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