

G-2700 GSM / Wireline Least Cost Routing Interface

Main Features

- Allows calls to be routed to the GSM network or the traditional wireline (PSTN) network to achieve least cost
- Programmable SMS callback feature allows daily reporting of working status and signal strength
- Windows™ based software available for receiving and logging of SMS messages
- Analog data communication to payphone management systems via the wireline connection
- Whole house conversion by wiring to the existing incoming telephone line
- Rugged design
- Power and GSM network LEDs
- Quad band transceiver covers all GSM bands
- Provides polarity reversal for GSM calls
- Includes autopin change software to eliminate unauthorized use of SIM cards
- Subsidy lock available
- Incoming calls from both the wireline and GSM networks allowed
- Passes all DC signaling on the wireline connector including line reversal and 12/16KHz signaling
- Customization for network providers
- Routing table software included
- Routing table and operational parameters programmable via serial cable, GPRS, or optional handheld programmer



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Air interface

GSM: Quad-Band
Supported Frequencies: 850/900/1800/1900 MHz
Standards Compliance: GSM Phase 2/2+
a. Class 4 (2W @ 850/900 MHz)
b. Class 1 (1W @ 1800/1900 MHz)
GPRS mobile station class B
Signal sensitivity: <-104dbm

Voice

Tri-codec – Half rate (HR), Full rate (FR), Enhanced Full rate (EFR)
AMR – Half rate (HR) & Full rate (FR)

Data

GPRS class 10: maximum speed 85.6kbps

Connectors

Power
Antenna - TNC
Programming - Mini USB
Telephone Line - RJ-11
Telephone Set - RJ-11

Telephone Set

Voltage: -48VDC on-hook
Current: 35ma
REN: 1.2
Off-hook detection: > 8ma / < 400msec
Ring generator: 20~25Hz / 75 VRMS

Operating Environment

Operating Temperature: 0°C ~ 60°C
Operating Humidity: 0% to 95% (non-condensing)

Dimensions

Height: 2.9 cm
Width: 12.9 cm
Depth: 13.3 cm
Weight: 353.9 g

Power

Adapter voltage: 110-240 VAC +/-10%, 50-60Hz
Input voltage: 12 VDC +/-10% 1,000mA
Power requirements: 300mA in talk mode and 60mA in stand-by.



Specifications subject to change without notice