

4-Port 4-SIM GSM Fixed Wireless Terminal

A Solution for Public Phone Shop & PABX Application



GSM 900/1800 Phase 2+
VOCODER FR+EFR
RF Standards SJ/T 10721-96
Rx Sensitivity -107dBm

Description

AIFA-Vehitel G63DFB is a **4-way Fixed Wireless Terminal** designed to provide wireless connectivity between 4 sets of POTS (plain old telephone set) and existing 900M/1800MHz GSM network with high sensitivity to receive signal and large transmitting power to expand extensively the effective coverage of GSM service. It also provides a cellular interface for PABX and key systems.

System of AIFA-Vehitel G63DFB with PABX can provide up to 36 lines by using 4 ports of wireless access. An English version of Computer-based Metering Management System is also available.

It can be used not only in offices & homes, but also in communication for construction sites, isolated islands and rural areas where hardwire-line telephone service is unavailable. Its built-in programmable auto-dialer enables operator to amend the program according to local authorized changes of dialing rules and area codes, etc. in operator's country or region.

Main features

- Simple to install/easy to maintain
- Provide optimized circuit directly connecting the exchange device for extensions
- 48V feeder compatible to most of the popular PABX
- Least cost routine – operator – programmable automatic VoIP dialing
- Provide polarity reversal signal for metering
- Support computer-based metering management system
- Strong signals with high gain board antenna
- No noise
- UPS back-up (optional)
- Models with Computer-based Metering Management System may be supplied on demand.

Available Models

- GSM 900MHz voice
- GSM 1800MHz voice
- GSM dual band 900MHz/1800MHz voice

Simple Installation

AIFA-Vehitel G63DFB fixed wireless terminal is easy to be installed by user. Just go through the following steps after antenna installation:

1. Insert 4 GSM SIM cards.
2. Connect the antenna with AIFA-Vehitel G63DFB.
3. Connect all the 4 telephone sets with RJ-11 connectors.
4. Connect AIFA-Vehitel G63DFB with power.
5. Turn on the power switch of AIFA-Vehitel G63DFB.

(Please refer User's Manual for instruction of system installation.)



Back panel of AIFA-Vehitel G63DFB



SIM card holders on the pack panel



7 dBi GSM board antenna



AIFA-Vehitel Management System for Metering

Specifications

- Air Interface Standard: GSM 900/1800 MHz Phase 2+
- Frequency Ranges:

	<i>Transmit</i>	<i>Receive</i>
GSM 900	890~915MHz	935~960MHz
GSM 1800	1710~1785MHz	1805~1880MHz
- Channel Space: 200KHz
- Dimensions, Weight and Color:

Dimensions (L W H):	Metric (mm) 460x275x90
Weights:	6.1Kg
Color:	Grayish White (other colors optional)
- Operating Environment Requirements:

Temperature:	0°C to +55°C
Relative humidity:	5% to 95%
- LED Indicators: "Power" status indicator
"Talking Indicators" 1 to 4
- Connectors: TMC connector for antenna
- Antenna: Gain: 7 dBi directional panel, with 5m of RF feeder cable (Longer cable is optional with additional cost)
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- Power Supply: 220V AC with 20% tolerance
- External Power Backup (optional) UPS