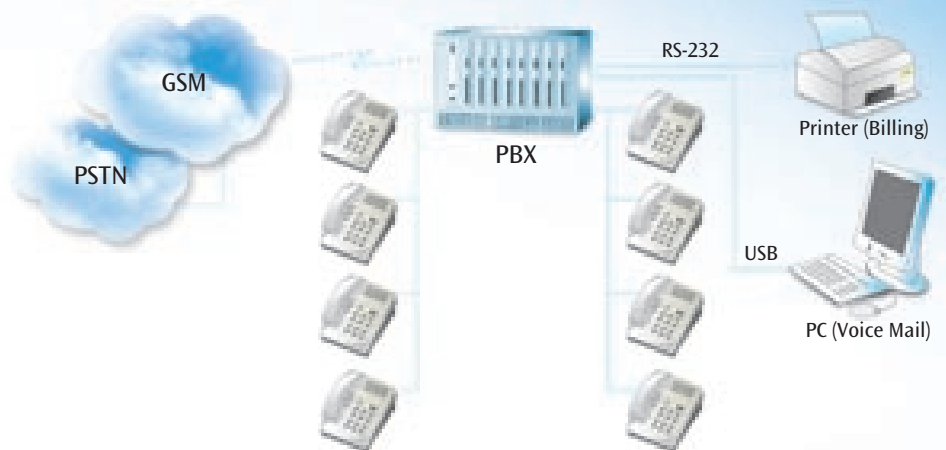


ZEBRA GSM

SMART MINI-PBX WITH GSM ACCESS



Zebra GSM is a digital GSM compatible Private Branch Exchange (PBX). This stand alone device routes outgoing calls via the GSM network, providing a cost-effective alternative to mobile-to-fixed or mobile-to-mobile telephone calls. Admittedly, Zebra GSM allows service providers and network operators to define new revenue generation streams, increase competitiveness, minimize network utilization, reduce cost of network ownership, minimize installation/maintenance times and most importantly increase subscriber penetration and revenue.



Zebra GSM GENERAL TECHNICAL DATA	
Operating Frequency Range	GSM 900/1800: Receive: 925 - 960 MHz Transmit: 880 - 915 MHz Receive: 1805 - 1880 MHz Transmit: 1710 - 1785 MHz
Voice Transmission	GSM 06.10 (13 kbps) via radiochannel; G.711 (64 kbps) between wired subscribers.
SMS transmit & receive	Only if PC is connected.
SIM-card Interfaces	3 V
Max Range	GSM standard coverage (30 from base station) Wired subscribers up to 2 km.
Maximum number of subscribers per terminal	8
Connectable units	PC, analogue phone, printer.
Interfaces	RS-232, USB, 2-wires telephone interface.
Antenna	External (from 2 to 22 dB)
Size	165 x 225 x 40 mm
Power	220 V 50 Hz
Max power consumption	Not more than 20 W

GSM Interface

This device is connected by a radio channel to the GSM network for mobile-to-mobile telephone calls and to the Public Switched Telephone Network (PSTN) for mobile-to-fixed line telephone calls. The GSM-PBX terminal is a cost effective and affordable solution for usage within the coverage area of GSM network. The device is ideal for an urban/rural scenario of medium, home, seasonal and mobile businesses or offices with decentralized work environments without the need of costly installations or a range of other single connectivity devices.

USB Interface

The device can be connected to the PC for voice mail and call centre functions. The PC can also act as the billing agent where the device comes with a built-in billing program.

RS-232 Interface

The device can record call details such as date, time, duration, subscriber ID and other relevant details from each extension of line. A printer can be connected to the RS-232 interface to print out the recorded protocols.

Cascade Interface

Zebra GSM allows connections to 8 analog telephone ports and it can be amassed to a maximum cascade of 4 units and operate as one complete GSM-PBX. The cascade allows a connection of 32 analog telephone ports with 4 radio interfaces for better call management.

In addition to providing a powerful repertoire of features, the Zebra GSM supports a wide range of other features.

System features

- Cascaded to a maximum of 4 units
- up to 4 radio interfaces
- 32 analog telephone sets

Supplementary features

- Call forwarding
- Call waiting
- Caller ID
- SMS capability
- Free intercom
- Integrated voice mail