

SAMBA 75

Quad Band GSM/GPRS/EDGE Modem

- Integrated Quad Band GSM/GPRS/EDGE engine

- GSM 850/900/1800/1900 MHz

- Data, Fax, SMS, MMS

- Audio/Video streaming

- Integrated SIM interface

- GSM antenna included

- Plug-n-Play

- Integrated USB-Hub

- Very lightweight

- World-wide applicable



The FALCOM SAMBA 75

is a Plug-and-Play, compact, light-weight, wireless modem that provides EDGE, GPRS and GSM connectivity for portable, handheld computers and others. The major benefit over earlier SAMBA GSM/GPRS modem is that SAMBA75 supports EDGE and additionally offers a TCP/IP stack.

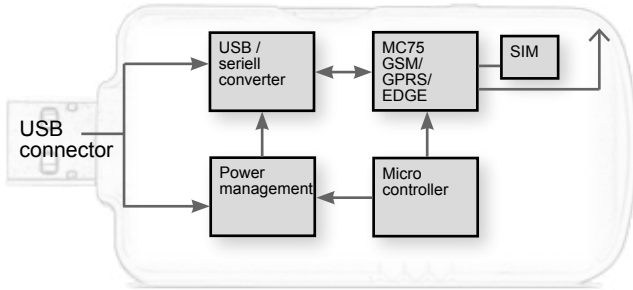
SAMBA75 allows subscribers to send and receive data, including digital images, web pages and photographs, with a transfer rate three times higher than possible with GSM/GPRS services. It supports MMS, SMS & fax.

It can be easily controlled by using AT command for all kinds of operations.

The SAMBA75 is designed for use on any GSM network in the world.



Block diagram



Software driver

Modem driver,
RIL/NDIS driver - for
Microsoft® Windows
2000/XP

Hardware requirements

Pentium® 90 or higher
with

- CD-ROM drive
- A valid SIM card
- Free compatible USB port
- Appr. 6 Mb of free hard disk space



Technical specification

General	Basic features
Quad-Band GSM/GPRS/EDGE modem	SMS (GSM and GPRS mode): text and PDU,
850 / 900 / 1800 / 1900 MHz	SMS, MMS
Class 4 (2W) for EGSM900	point to point MT and MO, SMS broadcast
Class 1 (1W) for DCS1800 / PCS1900	GSM circuit data features: transparent and
Small size and low power consumption	non transparent up to 9600 bps, group 3: class 1,
Fax / data transmission without extra hardware	class 2, alternate fax, MNP 2
Internal 3 V SIM interface	
Easy remote control by AT commands for dedicated applications	
Fully type approved according to GSM phase 2+ specification	GPRS packet data features:
Fully shielded and ready-to-use	data uplink transfer: max. 42.8 kbps;
	data downlink transfer: max. 85.6 kbps;
	coding schemes CS-1 to CS-4
Electrical characteristics	WAP compliant and compliant with SMG 31
Power supply: +5 V DC (through USB port)	
Physical characteristics	EDGE features:
Dimensions: (L x W x H)	data transfer max. 384 kbps
88.7 mm x 37.6 mm x 12.6 mm	provides audio/video streaming
Weight: 79 g	
Normal range temperature: -20°C to +55°C	
restricted operation:	
-30°C to -20°C and +55°C to +65°C	
Interfaces	Other features
Single antenna interface	SIM, network and service provider locks
Internal SIM interface: 3 V only	Real time clock
USB serial link	UCS 2 character set management