



Wireless Modem GSM/GPRS PC Card

Concept Design

Concept design package includes :

- ↳ *Circuit description*
- ↳ *Schematics*
- ↳ *PCB layout*
- ↳ *Bill of materials*
- ↳ *Components data sheets*

Based on Wismo Quik Q2400 module



July 2002

Product Description :

The PC card concept design is a complete GSM/GPRS compliant subsystem including a Wavecom Wismo Quik Q24xx series module.

It can be directly inserted into any portable computing device using a PCMCIA Standard Release 2.0 Type II Interface.

The concept design kit includes documentation, schematics, PCB layout, bill of materials and components data sheets.



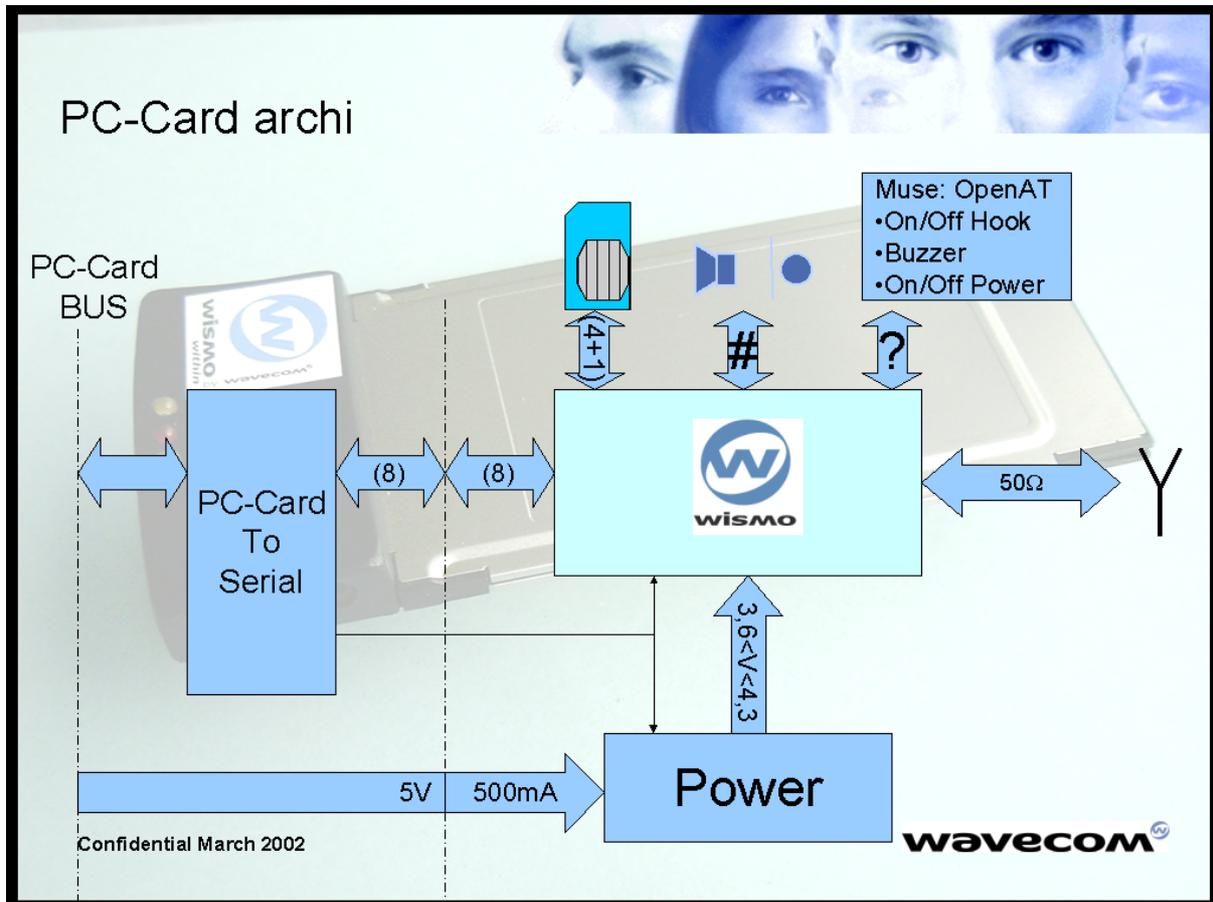
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For further information about Wavecom modules, refer to web site www.wavecom.com



Product block diagram



GSM/GPRS PC CARD CONCEPT DESIGN



Bill of materials - Preliminary information

This array shows a quick view of the parts which are on the board in order to have an idea of the bill of materials.

QTY	DEVICE	PACKAGE
1	Printed circuit board with flex	120 x 54 mm
18	Capacitor	CMS0402
1	Capacitor	CMS0603
7	Capacitor	CMS0805
1	Capacitor	CMS1210
2	Tantalum Capacitor 1500 uF	592D-Y
1	Diode BAT54W	SOT323
1	PCMCIA header 68 points	ICMB-68FYGB
25	Resistor	R0402
1	2 Resistors network	MNR2
1	4 Resistors network	MNR4
3	8 Resistors network	MNR15
1	PCMCIA + UART Interface 16C550	TQFP48
1	M93C56	TSSOP8
1	Crystal 14.7456 MHz	
1	Module board to board conn. 60pts	C60_P05_MALE
1	Ceramic antenna	
1	Transistor DTA144EE	EMT3
1	Transistor DTC144EE	EMT3
1	ESD protection	SOT23-6L
1	SIM card reader	FMS006
3	LED	HSMX-C670
1	RF connector IMP	IMP_PCB
1	Frame KIT PCMCIA	
2	Inductor	L0402
2	Inductor	L0603
1	Audio jack	HSJ1671
1	LDO	SOT223
2	2 Transistors network UMD3N	UMT6
1	NC7WZ04	SC70
1	WM QUIK 2400 Module	QUIK



Pictures



GSM/GPRS PC CARD CONCEPT DESIGN



Pictures (2)

