INSYS icom

Industrial Data Communication

DIN rail
INSYS Modem 56k

Transmission technology

Shape		3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
	DIN-rail serial	☐	☐	☐	☐	☐	■	☐
	DIN-rail network	☐	☐	☐	☐		☐	☐
	Desktop	☐	☐				☐	☐
	19´´ rack						☐	☐
	Embedded module	☐	☐	☐	☐	☐	☐	☐

Alarming and remote maintenance

With the INSYS Modem 56k any application can be connected to the world wide available analogue telephone network.

The INSYS Modem 56k enhances the pure data communication by alarming and security functions: alarms with a user defined text as an SMS, fax or e-mail are triggered by digital inputs. Data connections and remote configuration are protected by passwords. If security callback is activated then the modem establishes only a connection to a predefined number upon an incoming call. Selective call answer allows only data calls from specified numbers.
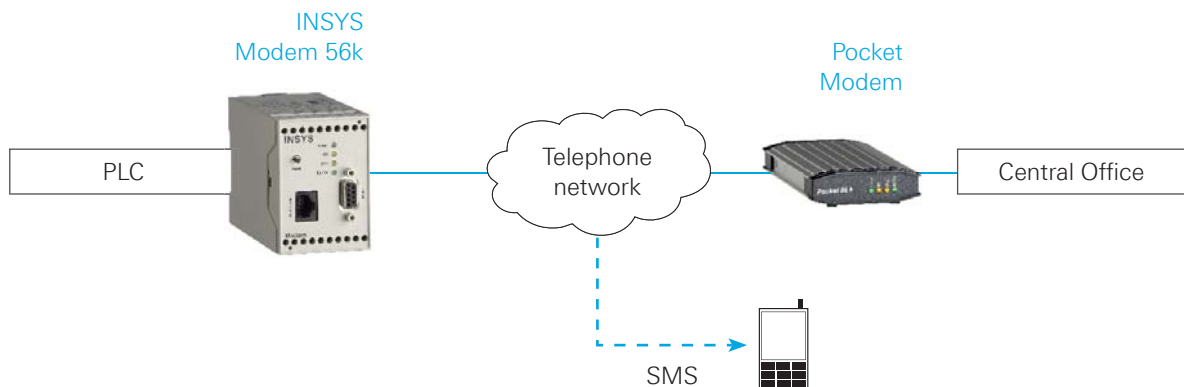
Two digital outputs can be controlled remotely by a data con-nection as well as by DTMF tones from a tone dial phone.

Features

■ Serial access: RS232
■ Control by AT commands
■ Data rate up to 56 kbps
■ Alarming and security functions
■ Digital inputs and outputs
■ Supply voltage 10V DC to 60V DC C

Application

■ Remote control and remote monitoring
■ Alarming
■ Building automation & control
■ Vending machines / Point-of-sale (POS)
■ Mobile data acquisition

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Network interface	Analogue switched telephone network (PSTN) Settings for at least 97 countrys selectable
Data transmission	up to 56.000 bps
Features	
Configuration	AT commands and configuration software HSComm over serial line, remote configuration
Connection	Auto answer mode, idle connection control , number storage, international settings, caller ID presentation, SMS to fixed network, hardware / software handshake, auto bauding, fixed serial speed, sleep mode
Alarm functions	Triggered by alarm input or AT command: send SMS, send fax, establish data connection, transmit message over data connection, collective fax message
Output control	AT command (lokal and remote), DTMF
Security functions	Password protection for connection, security callback and remote control, selective call answer
Data form	10 and 11 bit: 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2 and bit transparent
Protocol, Error correction, compression	V.32bis, V.32, V.23, V.22, V.22bis, V.21, V.34+, V.34, Bell Norm 103/212, V.42, LAPM, MNP4, MNP10, MNP10 EC, MNP5, V.42bis, V.44
Electrical features	
Power supply	10 ... 60 V DC
Power consumption	Transmission: 200 mA (at 12 V) Standby: 160 mA (at 12 V)
IOs	2 SPDT (single pole double throw) switched by galvanic insulated relais 2 digital inputs, activated by connection to GND max. switching voltage: 30 V DC / 42 V AC max. switching voltage: 1 A DC / 0.5 A AC
Serial line speed	300 - 115.200 bos
Physical features	
Sizei in mm	110 l x 55 w x 75 h
Temperature range	0°C ... +55°C
Humidity	0 ... 95% (non condensing)

Product description	Features	Order number
INSYS Modem 56k	up to 56 kbps	10000086
Optional: INSYS Modem for Leased Line (2D/4D) and Partyline- / Multidrop-operation		

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