

# INSYS Modem 336 / 56k

Transfermode system	Design			
	DIN rail	Embedded module	Desktop device	MoRoS
3G/UMTS	●	●		●
2G/GSM	●	●		●
Ethernet	●	●		●
WLAN	●	●		
Bluetooth		●		
Modem	●	●	●	●
ISDN	●	●	●	●

With the INSYS Modem 336 / 56k any application can be connected to the world wide available analogue telephone network.

The INSYS Modem 336 / 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 connection as well as by DTMF tones from a tone dial phone.



## INSYS Modem 336 / 56k:

- serial access: RS232
- control by AT commands
- for international use
- data rate up to 56.000 bps (V.92)
- alarming and security functions
- digital inputs and outputs
- supply voltage: 10V DC to 60V DC

## Applications:

- remote control and remote monitoring
- vending machines
- point of sale
- alarming
- building technology
- mobile data

### INSYS MICROELECTRONICS GmbH

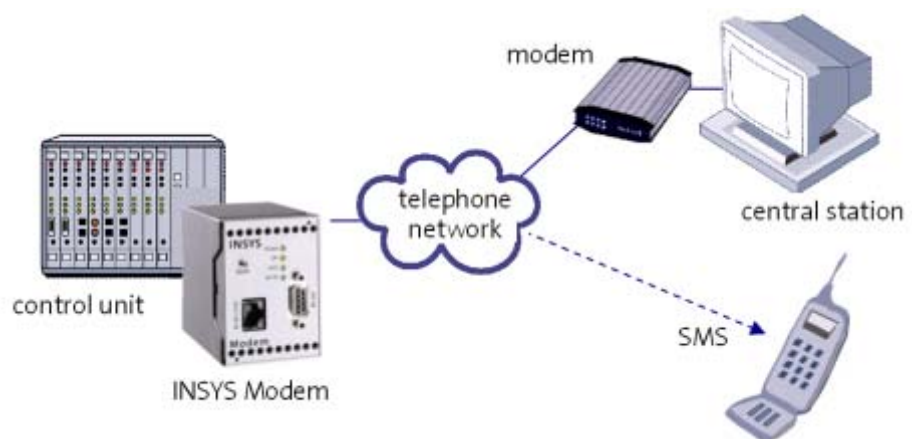
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# INSYS Modem 336 / 56k

## Technical Data

network interface	analogue switched telephone network (PSTN), adjustment for 97 countries selectable
maximum data rate <sup>2)</sup>	33.600, 56.000 bps
digital inputs/outputs	2 alarm inputs, 2 control outputs
watchdog	yes
<b>Features</b>	
configuration	AT commands 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 (local and remote), DTMF
security functions	password protection for connection, security callback and remote control; selective call answer
data formats	10 and 11 bit: 7E1, 701, 7N2, 7E2, 702, 8N1, 8E1, 801, 8N2 and bit transparent
protocols, error correction, compression	V.32bis, V.32, V.23, V.22, V22bis, V21, V.34+, V.34, V.90*, V.92*, Bell Norm 103/212, Fax Class 1/2, MNP 2/3/4, MNP 10, MNP 10 EC, MNP 5, V.42bis, V.44
<b>Electrical Features</b>	
supply voltage	10V DC ... 60V DC
current consumption	transmission: 200 mA (with 12V) standby: 160 mA (with 12V)
input / output	SPDT (single pole double throw) switches by galvanic insulated relays maximum voltage: 30V DC / 42 V AC maximum current: 1A DC / 0.5 A AC
serial line speed	300 – 115.200 bps
<b>Physical Features</b>	
size (w×l×h)	55×110×75 mm
environmental temperature	0...+55°C
humidity	0...95% (non condensing)

\*Modem 56k

Product name	Features	Order number
INSYS Modem 336	up to 33.6 kbps	11-02-01-01-30.
INSYS Modem 56k	up to 56kbps	11-02-01-01-40.
optional: INSYS Modem for Leased Line (2D/4D) and Partyline-/Multidrop-operation		
INSYS Modem 56k with UL licence		

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