

# INSYS GSM small INSYS HSPA small

Transferrmode system	Design			
	DIN rail	Embedded module	Desktop device	MoRoS
3G/UMTS	●	●		●
2G/GSM	●	●		●
Ethernet	●	●		●
ADSL	●	●		
SDSL	●	●		
Powerline	●			
WLAN	●	●		
Modem	●	●	●	●
ISDN	●	●	●	●

Wireless terminals enable direct GSM/CSD connections with each other and to analog and digital modems. As GPRS and UMTS terminals, they provide PC-based devices with their own IP and PPP stack full access to the wireless connection.

With their slim design of just 23 mm width, they enhance any application through remote access options.

The INSYS HSPA small provides a serial USB interface and the INSYS GSM small a serial RS232 interface.

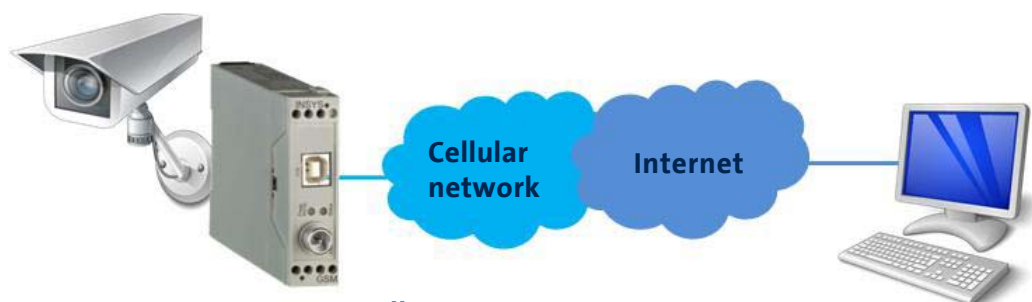
### Application fields:

- Remote control of machines, plants and PLCs
- Reading of measurements
- Transports and logistics
- Video transmission
- Remote access
- Incoming and outgoing text messages (SMS)

### Application example:



INSYS GSM small



INSYS HSPA small



### INSYS GSM/HSPA small:

- Terminal for cellular radio
- SMS, GSM/CSD, GPRS, EDGE, UMTS, HSPA
- Data rate up to 7.2 Mbps (down link) and 5,76 Mbps (uplink)
- USB interface (HSPA), RS232 interface (GSM)
- supply voltage: 12 - 48 V DC

**INSYS**  
**MICROELECTRONICS GmbH**  
Waffnergasse 8  
D-93047 Regensburg

**Phone**  
+49 (0)9 41 - 56 00 61

**Fax**  
+49 (0)9 41 - 56 34 71

**E-Mail**  
insys@insys-tec.de

**Internet**  
www.insys-tec.de

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## Technical Data

Network	GSM (2G) and UMTS* (3G)
Services	GSM/CSD, GPRS Class 12, EDGE* Class 12, UMTS*, HSPA*
Frequencies	2G: 850/900/1.800/1.900, 3G*: 2.100 MHz
<b>Features</b>	
Connection	circuit switched (CSD to modem V.32, ISDN V110 or GSM device) packed switched (GPRS/EDGE/UMTS/HSPA to IP-enabled device) via PPP
SMS (text message)	Incoming and outgoing, triggered by AT command, DTR signal**
Fax	Class 3
Configuration	Configuration software or AT command
Pre-configuration	SMS via DTR**, CSD-call via DTR**, PIN storing, periodically reset
<b>Electrical specifications</b>	
Supply	12...24 VDC
Serial interface	INSYS GSM small: RS232 (D-SUB9) with data-format 7E1, 7O1, 8E1, 8N1, 8O1, 8N2 INSYS HSPA small: USB-Slave* (Type B plug)
Antenna plug	FME (male)
<b>Physical specifications</b>	
Size (w×l×h)	23×110×75 mm
Temperatur range	-20...+55 °C
Humidity	0...95% (non-condensing)

<sup>1)</sup>INSYS HSPA small 2.0

<sup>2)</sup>INSYS GSM small 2.0

Product name	Features	Order number
INSYS GSM small 2.0	GSM/CSD, GPRS	11-02-01-03-13.
INSYS HSPA small 2.0	GSM/CSD, GPRS/EDGE, UMTS/HSPA	11-02-01-03-16.

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**MICROELECTRONICS GmbH**  
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**Fax**  
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insys@insys-tec.de

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