

i-modul ISDN

Transmission technology	Design			
	DIN rail	Embedded module	Desktop device	MoRoS
3G/UMTS		●	●	●
2G/EDGE	●	●		●
GPRS	●	●	●	●
GSM	●	●		●
ADSL		●		
Ethernet	●	●		●
WLAN	●	●		
Bluetooth		●		
Analogue	●	●	●	●
ISDN	●	●	●	●

ISDN For Industrial Applications

Each application can connect through the compact *i-modul ISDN TA+HUT* easily to the digital ISDN network. The serial interface with TTL levels can be used even by the simplest controllers.

The i-modul ISDN TA enhances the plain data communication by alarming and security functions: alarms with a user defined text – e.g. as an SMS – are triggered by digital inputs. Remote control is protected by password. Selective call answer allows only data calls from specified numbers.

The digital outputs can be controlled remotely. They can be configured to display the connection status as well.

The pin and size compatible i-modul series allows to connect the application on demand to analogue and mobile telephone networks, to an Ethernet LAN or wireless by WLAN and Bluetooth



Embedded ISDN

- pin and size compatible to i-modul Modem / GSM / GPRS / Ethernet / WLAN / Bluetooth
- serial access: RS232/TTL
- control by AT commands
- data rate up to 128.000 bps (B/D channel)
- alarming and security functions
- digital inputs and outputs
- small size 56 x 56 mm

Applications

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

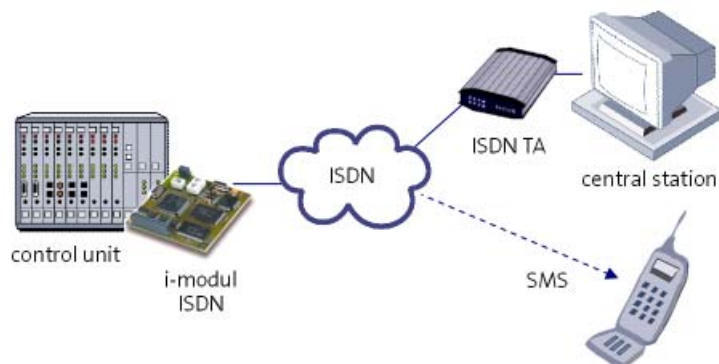
INSYS
MICROELECTRONICS GmbH
Waffnergasse 8
D-93047 Regensburg

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



i-modul ISDN

Technical Data

network interface	ISDN network, S0/I.430 Euro ISDN DSS1
maximum data rate	64.000 bps (channel bundling 128.000 bps)
digital inputs/outputs	2 alarm inputs, 2 control outputs
watchdog	yes
Features	
configuration	AT commands and configurator over serial line, remote configuration
connection	auto answer mode, hardware and software handshake, auto bauding, idle connection control, number storage
alarm functions	triggered by alarm input or AT command: send SMS, establish data connection, transmit message over data connection
output control	AT command, configurator, connection status
security functions	password protection for remote control, number identification (CLIP) for connection and Security Callback
data formats	10 and 11 bit: 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2
protocols	B channel: X.75, X.25/X.31, HDLC/PPP, V.110, V.120 asynchronous D channel: X.31
option	version „HIX“ with voice codec
Electrical Features	
supply voltage	5 VDC ±5% (option: 3.3 VDC)
current consumption	40 mA
connector	2 mm terminal strips
serial line speed	1.200 – 230.400 bps
Physical Features	
size (w x l x h)	56 x 56 x 13 mm
environmental temperature	0...+70°C (extended range on request)
humidity	0...90% (non condensing)

Support

- Designer's Guide
- samples
- evaluation board

Product name

i-modul ISDN TA+HUT V4

i-modul ISDN HIX V4 with speech-codec

Order number

11-01-01-02-01.

INSYS
MICROELECTRONICS GmbH
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Phone
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Fax
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