

INSYS GPRS 5.0 serial/Ethernet

INSYS EDGE 5.0 serial/Ethernet

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

GPRS extends the GSM network by a packet-oriented service and offers substantial benefits for industrial applications.

1. Favorable accounting method by amount of data instead of connect time
2. High data rates up to 85 kbps (upload and download)

INSYS GPRS 5.0 serial

INSYS EDGE 5.0 serial

The device offers a serial interface (RS232) to the application, just like a conventional modem. Serial data is routed transparently through the GPRS network.

The modem can establish a connection as callback after a call or an SMS. This also enables connections from the Internet to mobile phone.

INSYS GPRS 5.0 Ethernet

The INSYS GPRS 5.0 Ethernet is a GPRS Ethernet router with NAT, which enables a single Ethernet device or an entire LAN to be connected locally.

INSYS EDGE 5.0 Ethernet*

Ethernet Router for GPRS and EDGE with increased data line.



GPRS with standard interfaces:

- RS232/TTL with modem emulation
- GPRS Ethernet router
- GPRS Class 12
- EDGE Class 12*
- Quadband for global utilization
- For the cabinet (DIN rail)

GPRS is „Always On“

Replacement for modem

Benefits: Low fixed costs, calculable operating costs by volume, mobility

Dedicated wireless line

Frequent transfers of small amounts of data (e.g. readings)

Benefits: No delay due to connection setup, low costs

Centralized software update

Software distribution to several decentralized devices from one central station

Benefits: High data rate, parallel transmission, short overall time, low costs

Video monitoring

Benefits: Mobile, applicable anywhere, higher data rate than fixed network modem

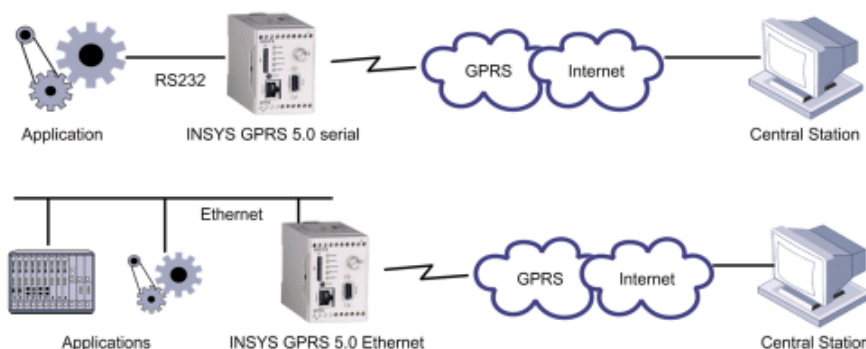
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INSYS EDGE 5.0 serial/Ethernet

Technical Data

	INSYS GPRS 5.0 serial/ INSYS EDGE 5.0 serial	INSYS GPRS 5.0 Ethernet / INSYS EDGE 5.0 Ethernet
Function	cellular to serial gateway	cellular router with NAT
GSM/GPRS		
Standards	ETSI GSM Phase II/II+	
Frequencies	Quad band GSM (850/900/1800/1900 MHz)	
GPRS	Multislot Class 12, Full PBCCH support, Mobile station Class B, Coding scheme 1-4, up to 85 kbps	
EDGE	Multislot Class 12, Full PBCCH support, Mobile station Class B, Coding scheme 1-4, up to 128 kbps (only INSYS EDGE 5.0)	
GSM	CSD up to 14.4 kbps	
SMS	Fully supported	
Interfaces		
Functional/mechanical	Asynchronous serial RS232 (D-SUB 9 pin plug)	Ethernet 10BT (RJ jack)
Data formats	8N1, 8E1, 8O1, 8N2, 7E1, 7O1, 7N2, 7E2, 7O2	
Flow control	Hardware (RTS/CTS), software (XON/XOFF), or none	
Speed	300 to 115,200 bps	10 Mbps
GPRS connections	CSD priority enactable	
Outgoing IP connections	Manually (dialing command, digital input), automatically (dedicated line, incl. alternative access), incoming call, SMS command	
Incoming IP connections	TCP, special protocol on request	Port forwarding
Monitoring	Hold in idle status, periodic disconnect and reconnect	
Configuration		
Local	AT commands	Web interface
Remote	AT commands via SMS, via CSD and TCP/IP connections	Web interface (if required to be deactivated)
Additional features	Firmware update, watchdog, virtual COM port driver	Firmware update, watchdog, dynDNS-Client
I/Os	Query and set, SMS transmission, dial-up	Release of the LAN and WAN interfaces
Supply		
Voltage	10...60 VDC	
Current	Sleep/Standby approx. 2.5 W, Connect approx. 3.5 W	
Physical Features		
Antenna Connection	FME (m)	
Dimensions (w×l×h)	55×110×75 mm	
Operating temperature	-20...+55°C	
Humidity	0...95 % (non-condensing)	

Product name	Features	Order number
INSYS GPRS 5.0 serial	Modem emulation (GPRS)	11-02-01-03-10.
INSYS EDGE 5.0 serial	Modem emulation (GPRS, EDGE)	11-02-01-03-08.
INSYS GPRS 5.0 Ethernet	Cellular-Router (GPRS)	11-02-01-03-12.
INSYS EDGE 5.0 Ethernet	Cellular-Router (GPRS, EDGE)	11-02-01-03-07.

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