

# i-modul Ethernet

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

## Serial Access To Local Area Network

The compact *i-modul Ethernet* integrates every application simply into a local area network. The locally restricted access by the serial interface is extended to the whole network. The serial interface with TTL levels can be used even by the simplest controllers.

This serial-Ethernet gateway can connect to any device in the local area network or in the Internet. A free virtual COM port driver is available for applications that do not process IP data from the network. It mirrors the serial interface of the i-modul Ethernet to a virtual serial port of the PC.

The i-modul Ethernet extends the plain data communication by digital inputs and outputs and an alarming function: if the digital inputs are activated then user defined alarm messages are sent by email.

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

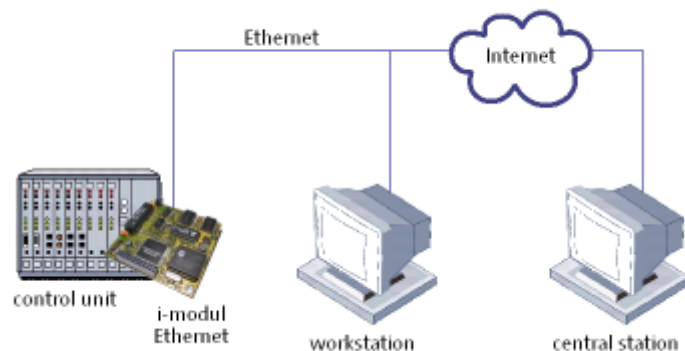


## Serial-Ethernet-Gateway

- pin- and size compatible to i-modul Modem / ISDN / GSM / GPRS / WLAN/ Bluetooth
- serial access: RS232/TTL
- control by AT commands
- alarm functions
- digital inputs and outputs
- virtual COM port driver
- small size 56 x 56 mm
- extended temperature ranch DNS-support

## Applications

- Integration of serial devices into a LAN
- building technology
- vending machines
- point of sale
- data acquisition
- metering



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# i-modul Ethernet

## Technical data

network interface	Ethernet, 10Base-T, Twisted Pair (version 3.0a: Pin 1/2/3/4, version 3.0b: Pin 2/4/7/8)
maximum data rate	10 Mbps
digital IOs	2 inputs, 2 outputs
watchdog	yes
<b>Features</b>	
configuration	AT commands over serial line, remote control over telnet
connection	automated connection start, auto answer mode, TCP and UDP modes, IP address memory, idle connection control
IOs	transparent transmission of the IO-states
output control	AT command (local or remote)
security functions	10 and 11 bit: 7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2
protocols	ARP, ICMP, TCP/IP, UDP/IP, DHCP, DNS
<b>Electrical Features</b>	
supply voltage	5 VDC $\pm$ 5% (optional 3,3 VDC)
current consumption	150 mA – 200 mA
connector	2 mm terminal strip
serial line speed	300 – 460.800 bps
<b>Physical Features</b>	
size(wxlxh)	56 x 56 x 12 mm
environmental temperature	-20...+70°C
humidity	0...95% (non condensing)

## Support

- Designer's Guide
- test samples
- evaluation board
- hotline support
- virtual COM-port-driver (download fee of cost)

Product name	Order number
i-modul Ethernet 3.0a	11-01-01-05-01.
i-modul Ethernet 3.0b	11-01-01-05-02.

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