

Embedded module

Socket Ethernet

Shape	Transmission technology						
	3G/HSPA	GSM/GPRS/EDGE	xDSL	Ethernet	WLAN	Analogue	ISDN
DIN-rail serial	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DIN-rail network	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Desktop	<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>
19" rack						<input type="checkbox"/>	<input type="checkbox"/>
Embedded module	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Serial access to local area network

The compact Socket Ethernet integrates any 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 Socket Ethernet to a virtual serial port of the PC.

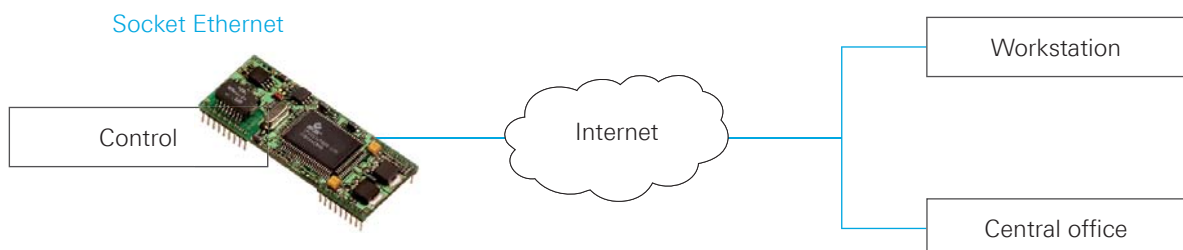
The pin and size compatible Socket series allows to connect the application on demand to analogue, digital and mobile telephone networks.

Features

- Pin- and size compatible to Socket series
- Serial access: RS232 (TTL)
- Control via AT command
- Virtual COM port driver
- Extended temperature range
- DNS support

Applications

- Integration of serial devices into network
- Building automation and control
- Vending machines / Point-of-sale (POS)
- Data collection
- Metering



Technical data

Socket Ethernet

Network interfaces	Ethernet, 10Base-T, Twisted Pair
Data transmission rate	10 Mbps
Watchdog	Yes
Features	
Configuration	AT-commands over serial line, remote control over telnet
Connection	Automated connection start, auto answer mode, TCP and UDP modes, IP address repository, idle connection control
Control output	AT command (local and remote over telnet)
Data formats	7E1, 7O1, 7N2, 7E2, 7O2, 8N1, 8E1, 8O1, 8N2
Protocols	ARP, ICMP, TCP/IP, UDP/IP, DHCP, DNS
Electrical features	
Power supply	5 V DC \pm 5% (3,3 V DC as an option)
Power consumption	150 mA - 200 mA
Connection	2 mm terminal strip
Serial line speed	300 - 460,800 bps
Physical features	
Size in mm	64.5 l x 26.5 w x 17 h
Temperature range	-20° C ... +70° C
Humidity	0...95% (non condensing)

Product description	Order number
Socket Ethernet 1.0a	11-01-02-05-01.

Support

- Designer's guide
- Development board
- Hotline support
- Virtual COM port driver

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