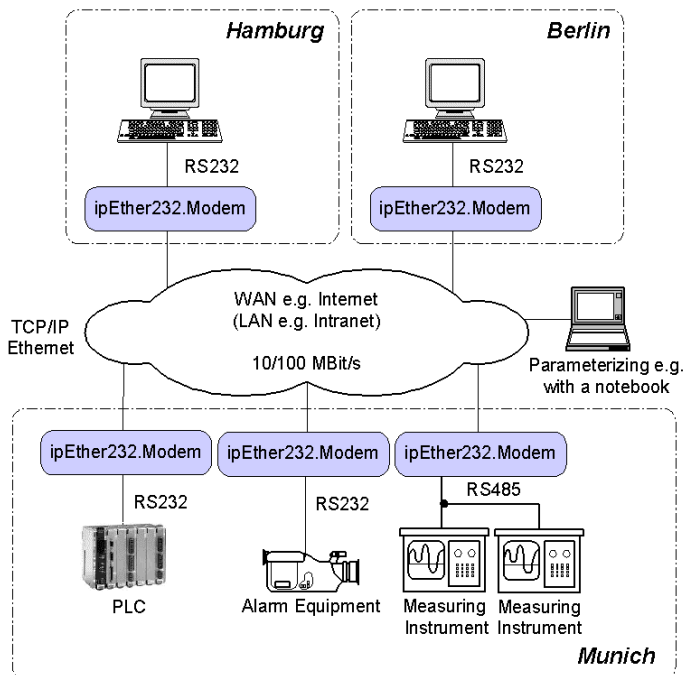




Many devices need a modem (e.g. dial-up modem) which enables the communication to its "partner" via RS232/485 interface through a connected phone line. This could be very expensive especially for longer line holding times and distances.

Also long serial connections are realizable over the Ethernet independent of operating system and without driver.

The following diagram shows an example of application communication on the network.



The Advantages

The advantages of ipEther232.Modem are:

- No phone costs for dial-up modems
- Existing network infrastructure can be used
- The (previous) modems are replaced
- A phone port is not necessary
- Internet and Intranet access are possible
- Compatibility with existing modem applications
- Different modes are adjustable:
 - dial up → connection on demand
 - leased line → permanent connection

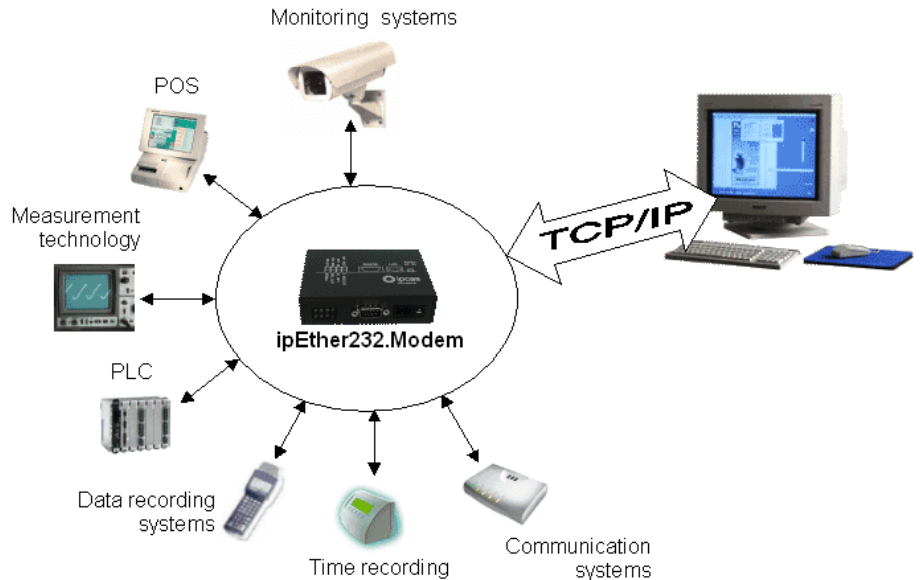
The ipEther232.Modem provides the connection for all such devices to an Ethernet network over TCP/IP. Thus, the ipEther232.Modem can also be connected to the Internet or Intranet.

The ipEther232.Modem is an operating system independent solution and is compatible with existing modem applications. The devices can communicate with several work stations independently on the location. To activate a connection, two modems are required.

The parameterization of the ipEther232.Modem can be executed either local over the serial interface by AT commands (Hayes instruction set) or by means of the windows graphical interface over the Ethernet network. Instead of a phone number, the ipEther232.Modems are set with a free configurable IP-address.

The ipEther232.Modem can be used in different fields.

Monitoring systems
Telemonitoring
POS
The readout of postings
Measurement technology
Data evaluation
PLC
Telecontrol / Monitoring / Programming
Data recording systems
Embedded systems via TCP/IP
Terminals
Visual display terminals via network
... and many others



Specifications

ipEther232.Modem	Desktop	DIN-Rail Unit	OEM Version
Interfaces	1 x RS232 or 1 x RS485 – SUB-D9 (full RS232)		
	<ul style="list-style-type: none"> ➤ Baud rate: 2.400 to 115.200 baud ➤ Parity: None, Even, Odd, Mark, Space ➤ Data: 7 or 8 Bits ➤ Stop: 1 or 2 Bits 		
Diagnostic LEDs	1 x 10BaseT – RJ45 (for networks at 10/100 MBit/s)		
Voltage	+ 8 - 14 V DC - Input Jack	+ 8 - 14 oder 24 V DC ¹⁾ Input Jack and 3.5mm connector	+ 8 - 14 V DC – Input Jack 5 V DC male header on board
Housing	Plastic housing	Plastic housing	Without housing
Dimensions W/H/D	Approx. 45/108/73 mm	Approx. 45/108/73 mm	Approx. 100/20/70 mm
Operating / Storage temperature	5° C to 55° C / -10° C to 70° C		
Relative humidity	5 % to 90 % non-condensing		
Standards	CE		
Scope of delivery	ipEther232.Modem		
	External Power supply ²⁾ Input: 230 V AC Output: + 9 V DC	Without power supply (Optional)	Without power supply (Optional)
Order number	Configuration software, Windows (NT, 2000, XP) driver, Manual (German or English documentation)		
Order number	RS232	0202014M	0202014M-H 0202014M-H24 0202014M-H60
Order number	RS485	02020105M	0202015M-H 0202015M-H24 0202015M-H60

¹⁾ Other voltages on request

²⁾ Delivery only to countries with 230 V AC 50Hz

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