

ipEther232.dLAN The RS232-Ethernet-dLAN-Converter

devolo



The RS232/485-dLAN-Converter makes it possible to connect serial devices into local networks, whereby the data communication is made by the 230V AC electricity mains.

With ipEther232.dLAN you are as flexible as never before. They can connect your serial (RS232) devices of each place in a house by the 230V electricity mains with the Ethernet. Thus problem-free connecting distances can be bridged of up to 200 meters depending upon break-even factor.

Frequent permanent changes of station of the serial devices are also no problem, the devolo-dLAN-adapter must be plugged only into another socket. No additional cables must be laid. For

data security the in-house electric meter serves as physical delimitation outward and 56 bits a coding. With a data transmission rate of maximally 85 Mbit/s (depends on used hardware) dLAN is faster than the current wireless standard WIFI™ for home applications.

The Application

The RS232-dLAN solution makes both a serial (RS232) available as well as a Ethernet interface, which over a 230V electricity mains can be combined in a Ethernet. Optionally you can bind further Ethernet devices by means of a stroke and know all connections to be independently used. In a house dLAN adapters can transmit data at the same time up to 10. For the setting up of a Ethernet connection 2 devolo-dLAN adapters are necessary.



The illustration shows ipEther232.dLAN where from the workstation about dLAN and a virtual Com port onto the serial interface of a device can be accessed.

ipEther232.dLAN

The RS232-Ethernet-dLAN-Converter



Now, our products can even be linked into a dLAN
(Data communication via 230V AC power-supply.)

| Product | Description |
|------------------|--|
| ipEther232 | Virtual Com-Port Serial interfaces by means of a "virtual serial Com port" about a TCP/IP net away employ. |
| ipEther232.Modem | Ethernet-Modem To be able to support all applications and serial devices the terminal or modem functions now also to be used about Ethernet. |
| ipEther232.PPP | PPP - Gateway The converter PPP-Ethernet allows the transmitting of net parcels about a serial interface of and into Ethernet. |

The Parametrizing

The parametrizing of the ipEther232 occurs by means of Windows NT4 / 2000 / XP –Application locally about Ethernet. On the delivered CD is a setup program for drivers and configuration software the all connected ipEther232 - converter of the respective group automatic imposes and convenient lets parameterize. The WLAN - converters let configure themselves about a simple Web user interface.

Specifications

| ipEther232.dLAN | | OEM Version | Desktop | DIN-Rail Unit |
|---------------------------------|------------|---|--|--|
| Interfaces | ipEther232 | 1 x RS232 or 1 x RS485 – SUB-D9 (full RS232) <ul style="list-style-type: none"> ➤ Baudrate: 2.400 to 115.200 baud ➤ Parity: None, Even, Odd, Mark, Space ➤ Data: 7 or 8 Bits ➤ Stop: 1 or 2 Bits | | |
| | dLAN | 1 x 10BaseT – RJ45 (may be operated in 10/100 MBit/s networks) Euro power supply plug Protocol : CSMA/CD Modulation : OFDM 84 Carrier 1 x 10/100BaseT – RJ45 | | |
| Diagnosis-LEDs | ipEther232 | Power, System, Error, RS232 or. RS485 Send/Receive, Ethernet Send/Receive/Link | | |
| | dLAN | 1x3 Status, Ethernet-Link/ACT | | |
| Supply voltage | ipEther232 | + 8 - 14 V DC – Input Jack 5 V DC on-board connector | + 8 - 14 V DC – Input Jack | + 8 - 14 or 24 V DC 1) Input Jack and 3,5 mm connector |
| | dLAN | integrated 230V AC supply via power socket | integrated 230V AC supply via power socket | integrated 230V AC supply via power socket |
| Housing | | Without housing | Plastic housing | Plastic housing |
| Dimensions W/H/D | ipEther232 | Approx. 100/20/70 mm | Approx. 110/30/75 mm | Approx. 45/108/73 mm |
| | dLAN | Approx. 93/66/42 mm | Approx. 93/66/42 mm | Approx. 93/66/42 mm |
| Operating / storage temperature | ipEther232 | 5° C to 55° C / -10° C to 70° C | | |
| | dLAN | 0° C to 40° C / -25° C to 70° C | | |
| Relative humidity | ipEther232 | 5 % to 90 % non-condensing | | |
| | dLAN | 10 % to 90 % non-condensing | | |
| Standards | | CE | | |
| Scope of delivery | | ipEther232 or. ipEther232.Modem or. ipEther232.PPP with 2x dLAN-Converter | | |
| | | Without power supply | Power supply ²⁾ In: 230 V AC Out: + 9 V DC | Without power supply |
| | | Configuration software | | |
| | | Driver for Windows (NT, 2000, XP) Documentation (German or English) | | |
| Order number | RS232 | 0202014-OEM+dL | 0202014+dL | 0202014-H+dL |
| ipEther232+dLAN | RS485 | 0202015-OEM+dL | 0202015+dL | 0202015-H+dL |
| Order number | RS232 | 0202014M-OEM+dL | 0202014M+dL | 0202014M-H+dL |
| ipEther232.Modem+dLAN | RS485 | 0202015M-OEM+dL | 0202015M+dL | 0202015M-H+dL |
| Pricing in EUR plus VAT | | On request | 389,00 | 475,00 |
| Order number | RS232 | 0202016-OEM+dL | 0202016+dL | 0202016-H+dL |
| ipEther232.PPP+dLAN | RS485 | 0202017-OEM+dL | 0202017+dL | 0202017-H+dL |
| Pricing in EUR plus VAT | | On request | 419,00 | 519,00 |

¹⁾ Further voltages on request

²⁾ Delivery only in country's with 230 V AC 50Hz

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