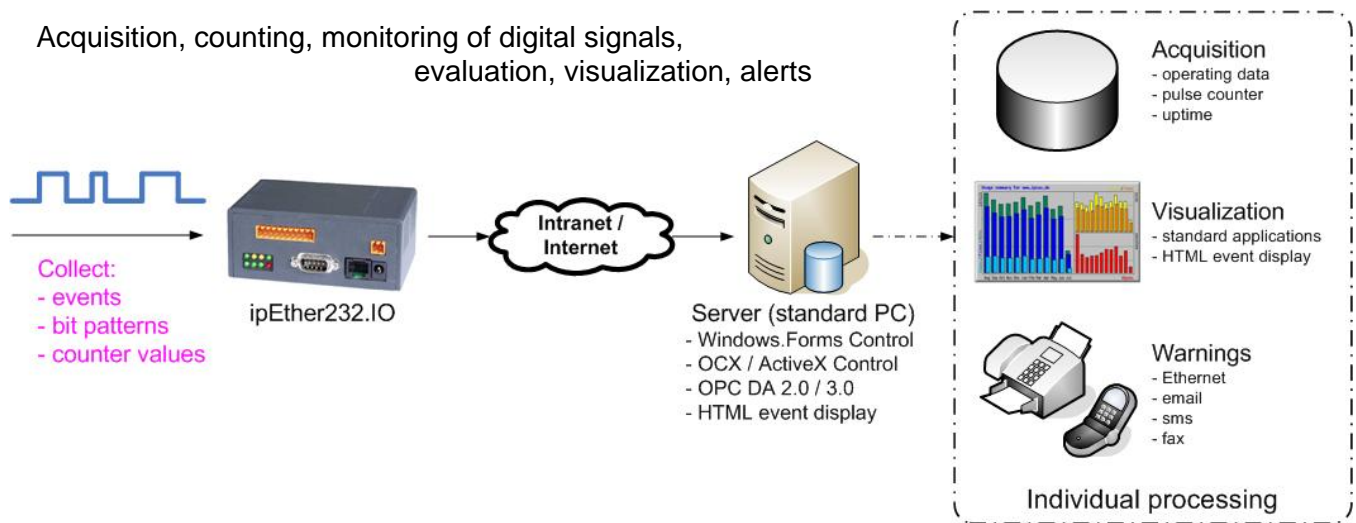




ipEther232.IO is a highly compact and durable data logger / event logger which enables the acquisition of digital input values – such as process and machine data – and their automatic transfer to a central server (standard PC) via Ethernet for further processing.

Acquisition, counting, monitoring of digital signals, evaluation, visualization, alerts



ipEther232.IO has a modular structure with consistent separation and, therefore, facilitates the implementation of a wide range of applications. The device is highly scalable for both small and large numbers of I/O channels for either centralized or peripheral digital data acquisition to wherever required.

... Features

- ✓ Secure UDP transfer
- ✓ Cyclic or event-triggered
- ✓ Up to 4 clients (PC connections) simultaneously
- ✓ Documented transmission of plain text format (open interface)
- ✓ Simple modular integration
- ✓ "Local" and "remote" configuration tool
- ✓ Password protection against unauthorized access
- ✓ Easy installation and configuration enable use in complex networks
- ✓ Diagnostic log files and LEDs for I/O, Ethernet and RS232

... Specifications

- 6x 24 V DC input channels **or** 4x 24 V DC input channels and 2x relay output channels
- Reverse voltage protection
- 1.5 KV isolation voltage
- Can buffer up to 50 digital changes
- Reads/writes RS232 transparently
- Can buffer up to 32kb RS232 data
- MAC based IP configuration
- 6* 32 bit counter values
- Acquisition of bit patterns, counter values, events
- Input cycle 1 to 255 ms
- Input debouncing off / or 1 to 15 fold scan cycle
- Optional:
 - DIN-Rail casing with 24/48/60 VDC power supply
 - Bar code reader
 - Line display

... Applications

Open interfaces:

- Windows, Forms Control
- OCX / ActiveX Control
- OPC DA 2.0 / 3.0 to come

Programming examples:

- Source code in Microsoft .Net
- MSDN-compatible "help" files
- Examples of Microsoft Excel
- Database application (events stored in Access / SQL Server or Oracle)
- Windows UI
- Console program
- Event view on HTML page

ipEther232.IO features a compact design, is easy to integrate, and offers a wide range of applications including process and machine data acquisition, automation, central building control systems, and measurement data acquisition.

ipEther232.IO is installed directly at the machines, systems or test stands and thus enables cost-saving implementation with short wire connections to the individual channels or RS232 interface. Due to its scalability, any number of ipEther232.IO's can be integrated into your company network.

ipEther232.IO has 6 channels and one RS232 available for digital data acquisition. Its 24 V level inputs comply with the industrial standards for automation and machine controllers. The RS232 interface enables optional connections (Rx/Tx to SUB-D9 plug) of devices such as line displays, bar code readers, etc.

ipEther232.IO is easily integrated into existing PC networks via its Ethernet interface. Therefore, regular PCs and standard tools such as Excel, Access, SQL, or OPC can be used for further individual processing of transmitted data.

ipEther232.IO supports any option you may require for monitoring and process analysis. There is a wide choice of software available on the market to implement whatever you wish to accomplish, from simple visualization tasks to complex monitoring systems such as FAMOUS.

Specifications

ipEther232.IO		Desktop	DIN-Rail Unit	OEM Version
Interfaces		<ul style="list-style-type: none"> ➤ 1 x ➤ 6 x ➤ 4 x ➤ Isolation voltage: ➤ Channel separation: ➤ Input scan cycle: ➤ Input debouncing: 	RS232 SUB-D9 (RX / TX / GND) 24 V DC input channel or 24 V DC input channel, 2 x relay output channels 24V/1A 1.5 KV 500 V (galvanically isolated in three groups) 1 to 255 ms 1 to 15 fold scan cycle	
Diagnostics LEDs		1 x 10BaseT – RJ45 (for networks at 10/100 MBit/s) Power, System, Error, 6x digital I/O status, RS232 Send/Receive Ethernet Send/Receive/Link		
Power supply		+ 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
Casing		Plastic casing	Plastic casing	Without casing
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 supply		ipEther232.IO		
		External power supply ²⁾ Input: 230 V AC Output: + 9 V DC	Without power supply (optional)	Without power supply (optional)
		Configuration software, Windows (NT, 2000, XP) driver, Manual (in German or English)		
Purchase order number	6x input 1x RS232	0202023	0202023-H 0202023-H24 0202023-H60	0202023-OEM
Purchase order number	4x input 2x output 1x RS232	0202024	0202024-H 0202024-H24 0202024-H60	0202024-OEM

¹⁾ Other voltages on request.

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

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