

Data sheet:

Com-Server 20mA



Article no.: 58664

EUR 338.00

*Net price for
commercial users

1 serial 20mA/TTY port to the Power-over-Ethernet network

The Com-Server 20mA integrates a serial 20mA/TTY device into the network via TCP/IP Ethernet for industrial use. Numerous network services are available for communication.

Properties

Interfaces:

- **1x 20mA/TTY interface**
 - Active/passive mode can be independently set for send and receive loop
 - Half-duplex mode with automatic echo suppression
 - Galvanic isolation in all modes
 - Serial transmission speed up to 19.2 kbps
- **1x Ethernet 10/100BaseT**
 - Autosensing/Auto-MDIX
- **alternate hardware configuration**
 - for RS232/422/485 version, see [Com-Server ++](#)

Management and connectivity:

- **Remote configuration**
 - Startup using WuTility (three clicks and you're done), DHCP, serial
 - Web-Based-Management via HTTP and HTTPS/TLS incl. certificate management
 - Telnet
 - Control sockets from your own applications
- **Transparent communication**
 - Windows COM Port Redirector and virtual COM ports with optional TLS-PSK encryption
 - Box-to-Box
 - TCP server sockets from your own applications, optionally TLS-PSK encrypted
 - OPC server
- **Expanded protocol support**
 - Modbus/TCP-Gateway for integrating serial Modbus/RTU slaves
 - FTP client / server
 - Telnet client / server
 - UDP Peer
 - SLIP
 - Wake-on-LAN

Power supply:

- **External**
 - Screw terminals, 12V-48V DC
- **Power-over-Ethernet (PoE)**
 - Phantom power using data pairs
 - Power over unused wire pairs

Standards & more

- **Conforms to standards both in office and industrial environments:**
 - High noise resistance per EN 61000-6-2
 - Low noise emission per EN 55032:2015 + A1 Cl. B, EN 61000-3-2 & EN 61000-3-3
- **5 year guarantee**



Wish for something!

[Your suggestions for improvement and additions](#)

Run modes

[Windows COM Port Redirector](#)

Install the COM Port Redirector and configure your serial program on one of the virtual COM ports - done! Regardless of whether as a replacement for missing hardware COM ports, a solution for virtual environments such as VMware, HyperV, etc. or as a simple line driver, your serial communication becomes network capable without a single line of programming and, if desired, TLS-PSK encrypted. Multipoint mode and packeting options are of course also available.

[Data sheet with download link](#)

[Box-to-Box](#)

In just a few clicks you can link 2 Com-Servers to each other logically and use an operating-system neutral, transparent and if desired TLS encrypted data tunnel through the network. Serial data are sent bi-directional and as fast as possible to the respective counterpart. Automatic reconnect functions in case of connection faults/dropouts are available as are multipoint operation and packeting options for fine tuning when using serial protocols.

To [application example ...](#)

[TCP/UDP socket communication](#)

Network programming is today part of the standard repertoire of all programmers. Integrate your serial device easily into your own network application. Take connection control into your own hands as a TCP client, be contacted event-driven as a TCP server (optional with TLS-PSK encryption) or use the efficient, connectionless UDP protocol. Of course new multipoint operation and packeting options are also available here.

To [application example ...](#)

[NEW! Modbus/TCP-Gateway](#)

Many devices such as energy meters, measuring transducers, frequency converters etc. have an RS232/422/485 interface and communicate via the Modbus/RTU protocol. The Com-Server integrates these devices quickly and reliably in Modbus/TCP environments.

[FTP client/server](#)

Send and archive your serial data with the FTP standard tools on most operating systems. Serial outputs from scales, barcode readers etc. or status and error messages for example from UPSs are classic applications for the use of Com-Servers as FTP server or FTP client.

To [application example ...](#)

[Multipoint mode](#)

Distribute the send data from your serial device to as many as six network stations at a time. Regardless of whether you want to archive or monitor, copies of the serial data can be retrieved on a configurable slave port. Filters for the authorized IP addresses are provided to protect against unauthorized access.

[Packeting options](#)

Received serial protocols are often sensitive to pauses in the serial data flow. To prevent such timeouts and ensure complete transmission of the datagrams in a network packet, the Com-Server++ features numerous configuration options for detecting datagram limits (Start/Stop terminators, Start + Length, etc.).

Technical data

[Connections and displays:](#)

Serial port: 1x 20mA/TTY interface
DB9 connector plug
50 to 19,200 baud
7,8 data bits
1,2 stop bits
Parity No, Even, Odd, Mark, Space
Flow control No, Xon/Xoff

Serial modes: 20mA/TTY

Network:	10/100BaseT Autosensing/Auto-MDIX RJ45 IPv6 on request
Galvanic isolation:	Network connection min. 1500 V
Power supply:	Power-over-Ethernet (PoE) or DC 12V .. 48V (+/-10%) or AC 18Veff .. 30Veff (+/-10%)
Supply connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Power consumption:	PoE Class 1 (0.44 - 3.84W) or for external supply: typ. 90mA @24V DC max. 110mA @24VDC
Displays:	1 LED Power 1 LED Status 2 LEDs Network Status




Housing and other data:

Housing:	Plastic compact housing for top-hat rail mount 105x22x75mm (LxWxH)
Enclosure rating:	IP20
Weight:	approx. 120g
Ambient temperature:	Storage: -40..+70°C Operating 0..+60°C (70°C on request)
Permissible relative humidity:	5..95% RH, non-condensing
Scope of delivery:	1x Com-Server 20mA 1x Quick Guide

Accessories

*Net unit price for
commercial users


Power supplies

Plug-in power supply, 24V / 500mA DC with Euro plug	11021	21.00€	
Plug-in Power Supply, 24V / 750mA DC with Euro, US and UK plug	11026	38.00€	
Power supply for DIN rail, 24V / 630mA DC (merchandise, 2-year manufacturer's guarantee)	11080	33.00€	

Mechanical Accessories

Mounting bracket for wall mounting	58812	11.20€	
19" DIN rail	58813	21.00€	
Wall mount housing, enclosure rating IP66 / IP67	11120	54.00€	

Software

WuTility	00104	free	
Windows COM Port Redirector Legacy	00102	free	
Windows COM Port Redirector Win 95/98/Me	00101	free	
OPC Server	00103	free	

* Our offering is intended only for commercial users. We will be happy to refer private end customers to trading partners through whom our products can be purchased.

[We are available to you in person:](#)

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