

Data sheet:

Com-Server Highspeed Industry



Article no.: 58631

This article has been replaced by the expanded successor model [Com-Server ++, #58665](#).

Serial port to the network

The Com-Server Highspeed Industry integrates a serial device into the network using TCP/IP Ethernet. Numerous network services are available for communication.

Differences between the models:

	Old: Com-Server Highspeed, 58631	Current: Com-Server++, 58665
Serial port:	1 x RTS232-, RS422-, RS485 interface DB9 connector, configurable	
Baud rate:	50 to 230.400 baud	
Data format:	7, 8 data bits, 1, 2 stop bits, No, Even parity	
Flow control:	Hardware handshake, XON-XOFF protocol or can be turned off	
Network:	10/100BT autosensing	
Galvanic isolation:	min. 500 volts	min. 1500 volts
Power supply:	DC 12V .. 48V (+/-10%)	DC 12V .. 48V (+/-10%) or Power-over-Ethernet (PoE)
Current consumption:	typ. 85mA @24V DC	typ. 55mA @24V DC
Supply voltage connection:	Plug-in screw terminal, 5.08mm spacing	
Ambient temperature:	Storage: -40..+70°C Operating physically separated: 0..+60°C	Storage: -40..+70°C Operation: 0..+60°C
Permissible relative humidity:	0..95% RH (non-condensing)	
MTBF:	431,000 h @25°C per MIL-HDBK-217	637,000 h @25°C per MIL-HDBK-217
Housing:	Plastic compact housing for top-hat rail mount. 105x75x22mm	
Weight:	approx. 200 g	
Wake-on-LAN	no	yes
Multipoint mode	no	yes
Packeting options	no	yes

Please contact us by phone or email with any questions:
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Properties

Interfaces, Management & Connectivity:

- **Direct connection with compact box for DIN rail mount**
- **Remotely configurable via Web Based Management**
- **RS232, RS422, RS485 selectable**
 - 20mA/TTY version see [Com-Server Highspeed PoE 20mA](#)
 - Custom-built modules on request
- **Serial transmission speed up to 115 and 230.4 kbps**
- **Network adapters:**
 - 10/100BT autosensing
- **Power supply:**
 - 12-24 volts AC/DC
 - Shipped optionally with or without power supply:
Please order power supplies as separate accessories.
- **Version with [UL approval](#) and US power supply available (File No. E254062)**
- **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**

Background information:

On a minimal area, the Com-Server Highspeed Industry offers everything required for directly connecting a serial interface to the computer network. All protocols are included (see box / applications at the end of the product datasheets). The serial interface of the Com-Server can be switched between the standards RS232, RS422 and RS485. The serial and the network parameters are set via Telnet, ARP/RARP, SNMP or also via an Internet browser and web-based management.

Com Port Redirector:

The W&T COM Port Redirector for Windows (9x/NT/2000/XP/2003/Vista/7 incl. 64-bit and server editions) also gives serially operating Windows programs the ability to communicate over the network. Virtual COM ports are installed on the system which behave like standard COM ports with respect to the applications. Communication with the terminal device is now however over the network and a Com-Server ([data sheet with download link](#)).

Protocols:

- **Serial port protocols:**
 - XON/XOFF
 - Hardware handshake
 - SLIP
 - other protocols on request
- **Protocols for direct network connection:**
 - TCP/IP (IPv6 on request):
Socket, FTP, Telnet per client and server
 - Auxiliary protocols:
ARP, RARP, DHCP/BOOTP, PING, RIP, SNMP
Inventory keeping, group management
- **Protocols for paired Com-Server operation:**
(connect serial devices in pairs on the network)
 - Box-to-box mode TCP/IP

Technical data

Serial port:	1 x RTS232-, RS422-, RS485 interface DB9 connector, configurable
Baud rate:	50 to 230.400 baud
Data format:	7, 8 data bits, 1, 2 stop bits No, Even, Odd parity
Flow control:	Hardware handshake, XON-XOFF protocol or can be suppressed
Network:	10/100BT autosensing
Galvanic isolation:	min. 500 volts




Power supply:	DC 12V .. 48V (+/-10%) AC 9Veff .. 30Veff (+/-10%)
Current consumption:	typ. 85mA @24V DC max. 110mA @24VDC
Supply voltage connection:	Plug-in screw terminal, 5.08mm spacing Labeled "L+" and "M"
Ambient temperature:	Storage: -40..+70°C Operating in non-rowed installation: 0..+60°C Operating in rowed installation 0..+50°C
Permissible relative humidity:	0..95% RH (non-condensing)
MTBF:	431,000 h @25°C per MIL-HDBK-217
Housing:	Plastic compact housing for top-hat rail mount. 105x75x22mm
Weight:	approx. 200 g
Scope of delivery:	1x Com-Server Highspeed Industry 1x product CD with WuTility management tool, Windows COM Port Redirector, OPC server, programming examples in C/VB/Delphi/Java, reference manual in German/English

Please order power supplies separately as accessories

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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