

Data sheet:

Com-Server Highspeed Isolated



Article no.: 58633

This article has been replaced by the function-compatible and expanded/improved successor model [Com-Server 3x Isolated 58662](#).

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Direct connection for 3 serial devices with compact box for the DIN rail

The Com-Server 3x Isolated integrates three serial devices into the network in industry fashion via TCP/IP Ethernet. Numerous network services are available for communication.

Differences between the models:

	Old: Com-Server Highspeed Isolated, 58633	Current: Com-Server 3x Isolated 58662
Serial port:	3 x RS232, 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:	Serial ports isolated from each other up to 1kV and for supply	
Supply voltage:	DC 12V .. 48V (+/-10%)	
Current consumption:	typ. 130mA @24V DC	typ. 110mA @24V DC
Supply voltage connection:	Plug-in screw terminal, 5.08mm spacing	
Ambient temperature:	Storage: -40..+70°C Operating physically separated: 0..+60°C	
Permissible relative humidity:	0..95% RH (non-condensing)	
Housing:	Plastic compact housing for DIN rail mount, 105x75x45mm	
Weight:	approx. 200 g	
Wake-on-LAN	no	yes

	Old: Com-Server Highspeed Isolated, 58633	Current: Com-Server 3x Isolated 58662
Multipoint mode	no	yes
Packaging options	no	yes

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

General information:

- **Direct connection for 3 serial devices with compact box for the DIN rail**
- **1 kV galvanic isolation for each of the 3 ports**
- **RS232, RS422, RS485 selectable**
- **All standard serial baud rates of up to 230.4 kbits / s**
- **Remotely configurable via Web Based Management**
- **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.
- **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:

The highly compact Com-Server Highspeed Isolated provides everything you need for directly connecting up to 3 serial interfaces to the computer network in industrial environments. All three interfaces are optically separated with a dielectric strength of 1 kV, both mutually and with respect to the supply voltage. In this way, breaks in operation due to potential differences, and problems occurring for example in the case of remote lightning strikes or when powerful rotary current motors start running, are counteracted from the very beginning.

All protocols are included (see box or applications after the product datasheets). The serial interfaces 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 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

Serial port: 3 x RS232, 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: Network connection: min. 500 volts
Serial ports: 1 kV mutually and with respect to the supply

Supply voltage: DC: 12V (-10%) .. 48V (+10%)
AC: 9Veff (-10%) .. 24Veff (+10%)

Current consumption: typ. 130mA @24V DC

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)

Housing: Plastic small housing, 105x75x45mm

Weight: approximately 400 g

Scope of delivery: 1x Com-Server Highspeed Isolated, 3 ports
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



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

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