Data sheet:

# Com-Server Highspeed Industry with UL Certification

Article no.: 58631_UL

This article has been replaced by the expanded successor model Com-Server UL, #58669.

## Network via direct connection: 1 serial Highspeed port to the network

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

**Differences between the models:**

| | **Old:** Com-Server Highspeed Industry UL, 58631_UL | **Current:** Com-Server UL, 58669 |
|---|---|---|
| Serial port: | 1 x RTS232-, RS422-, RS485 interface<br>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 turned off | |
| Network: | 10/100BT autosensing | |
| Galvanic isolation: | min. 500 volts | min. 1500 volts |
| Supply voltage: | DC 12V .. 48V (+/-10%) | |
| 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<br>Operating physically separated: 0..+60°C | Storage: -40..+70°C<br>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:
+49 202/2680 110, t.clever@wut.de

## Properties

### Interfaces:

- **1x RS232/RS422/RS485 selectable**
- **1x Ethernet 10/100BaseT**
  - Autosensing
- **alternate hardware configuration**
  - 20mA/TTY version see Com-Server 20mA

### Management and connectivity:

- **Remote configuration**
  - Startup using WuTility (three clicks and you're done), DHCP, serial
  - Web-Based-Management
  - Telnet
  - Control sockets from your own applications
- **Transparent communication**
  - Windows COM Port Redirector and virtual COM ports
  - Box-to-Box
  - TCP server sockets from your own applications
  - OPC server
- **Expanded protocol support**
  - FTP client / server
  - Telnet client / server
  - UDP Peer
  - SLIP

### Power supply:

- **External**
  - Screw terminal connection 12V-24V DC (LPS)
  - **US plug-in power supply** included in scope of delivery

### Standards & more

- **Version for the American market with UL Certification (File No. E254062) and US power supply**
- **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 - that's all there is to it! Regardless of whether as a replacement for missing hardware COM ports, a solution for virtual environments like VMware, HyperV, etc., or as a simple line driver, you serial communication becomes network capable without a single line of programming. Multipoint mode and packaging options are of course also available here.
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 today belongs to the standard repertoire of all programmers. Integrate your serial device simply into your own network application. Take as a TCP client control of the connection into your own hands, be contacted as a TCP server using event-driven control, or use the efficient, contactless UDP protocol. The new multipoint mode and packaging options are of course available here also.
To application example ...

### 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 ...

## Technical data

### Connections and displays:

| | |
|---|---|
| Serial port: | 1x RS232-, RS422-, RS485 port, selectable<br>DB9 connector plug<br>50 to 230.400 baud<br>7,8 data bits<br>1,2 stop bits<br>Parity No, Even, Odd<br>Flow control No, RTS/CTS, Xon/Xoff |
| Serial modes: | RS232<br>RS422 4-wire bus master<br>RS485 4-wire bus master<br>RS485 4 wire with automatic control<br>RS485 2 wire with automatic control |
| Network: | 10/100BaseT autosensing<br>RJ45<br>IPv6 on request |
| Galvanic isolation: | Network connection min. 1500 V |
| Supply voltage: | DC 12V .. 24V (+/-10%) |
| Supply connection: | Plug-in screw terminal, 5.08mm spacing<br>Labeled "L+" and "M" |
| Current consumption: | typ. 85mA @24V DC<br>max. 110mA @24VDC |
| Displays: | 1 LED Power<br>1 LED Status<br>1 LED Error |

### Housing and other data:

| | |
|---|---|
| Housing: | Plastic compact housing for top-hat rail mount<br>105x22x75mm (LxWxH) |
| Enclosure rating: | IP20 |
| Weight: | approx. 300g |
| Ambient temperature: | Storage: -40..+70°C<br>Operating in non-rowed installation: 0..+60°C<br>Operating cascaded: 0..+50°C |
| Permissible relative humidity: | 5..95% RH, non-condensing |
| Scope of delivery: | 1x Com-Server Highspeed UL<br>1 x 24V US switching power supply<br>1x Quick Guide<br>1x product CD with COM Port Redirector, WuTility management tool, manual, German/English |

## Accessories

*Net unit price for commercial users

### 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:

Wiesemann & Theis GmbH
Porschestr. 12
42279 Wuppertal
Phone: +49 202/2680-110 (Mon.-Fri. 8 a.m. to 5 p.m.)
Fax: +49 202/2680-265
info@wut.de

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