



EX-61001

Dispositivo Server Seriale
1x RS-232/422/485



Serial Device Server
1x RS-232/422/485

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1. Descrizione

EX-61001 è un server per dispositivi seriali RS-232/422/485 multiprotocollo per l'integrazione di dispositivi seriali RS-232/422/485, come lettori di codici a barre, sistemi di pesatura e terminali di pagamento, in una rete Ethernet basata su IP. I dispositivi seriali sono collegati alla rete e sono disponibili per la condivisione nella sottorete e in Internet. Sono supportati numerosi protocolli di rete come TCP Server, TCP Client, UDP, VCOM, Remote Pair Master Slave, Modbus Server, Modbus Client e SNMP. Inoltre, i dispositivi seriali con modalità di coppia remota master-slave possono comunicare tra loro tramite modalità peer-to-peer senza la necessità di un PC intermediario o di un software di conversione. Con il software Virtual COM (VCOM) disponibile per il download, è possibile creare una porta seriale virtuale perfettamente migrata per qualsiasi dispositivo seriale sui computer Windows.

Caratteristiche:

- Attacchi: 1 porta RS-232 (DB9), 1 porta RS-422/485 (morsettiera)
- Trasferimento Dati : Fino a 921.6 Kbps Baudrate
- Tipi di Seriali: RS-232, RS-422, RS-485 2-Fili
- Protocolli Ethernet: ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, SNMP, MQTT, MODBUS
- Modalità operative: VCOM, MCP, TCP Server, TCP Client, UDP, Remote Pair mode, Modbus TCP Server, Modbus TCP Client
- Configurazione: Utilità di amministrazione VCOM basata su Windows e browser Web

Certificati per   

2. Contenuto Confezione

Prima di integrare l'EX-61001 nella vostra rete, controllate innanzitutto il contenuto della confezione che si sia:

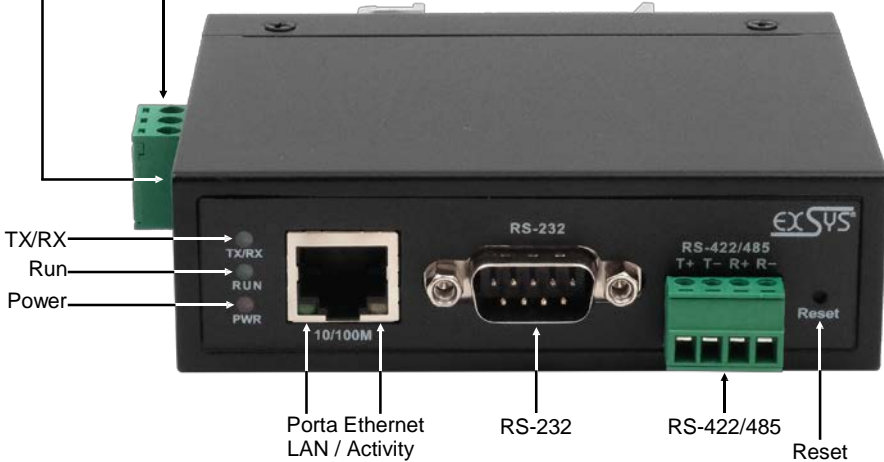
- EX-61001
- Alimentatore (12V/1A)
- Kit guida DIN (pre assemblato)
- Guida Rapida

3. Struttura, Attacchi & LED

3.1 Struttura






Connettore Jack DC12-48 V
alimentatore incluso

T-Block12-48V per
Alimentazione
opzionale



3.2 LED

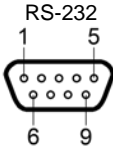
LED:

| Nome LED | Colore | Funzione del LED |
|---------------------|--|---|
| Activity LED (RJ45) | Giallo  | Sempre acceso: connessione di rete disponibile Lampeggiante: trasmissione dati in rete Spento: nessuna connessione |
| LAN LED (RJ45) | Verde  | Sempre acceso: connessione di rete disponibile Spento: nessuna connessione |
| Power LED | Rosso  | Sempre acceso: il dispositivo è acceso Spento: il dispositivo è spento |
| RUN LED | Verde  | Sempre acceso: il server si avvia Lampeggiante: il server è pronto Spento: il server non è pronto |
| TX/RX LED | Verde  | Lampeggiante: Trasmissione dati sull'interfaccia seriale Spento: nessun trasferimento dati |

3. Struttura, Attacchi & LED

3.3 Attacchi

Connettore Seriale:

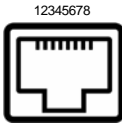


RS-422/485



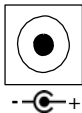
| Attacchi Seriale | | | | | | | |
|------------------|-------|-------|-------|-----|-------|-------|-------|
| Pin | RS232 | RS422 | RS485 | Pin | RS232 | RS422 | RS485 |
| 1 | | TxD+ | Data+ | 5 | | | |
| 2 | RxD | TxD- | Data- | 6 | GND | GND | GND |
| 3 | TxD | RxD+ | | 7 | RTS | | |
| 4 | | RxD- | | 8 | CTS | | |

Ethernet:



| Connettore RJ45 | | | | | |
|-----------------|---------|-----|---------|-----|---------|
| Pin | Segnale | Pin | Segnale | Pin | Segnale |
| 1 | BI_DA+ | 4 | BI_DC+ | 7 | BI_DD+ |
| 2 | BI_DA- | 5 | BI_DC- | 8 | BI_DD- |
| 3 | BI_DB+ | 6 | BI_DB- | | |

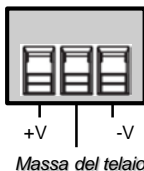
Connettore JACK DC da +12V fino a +48V:



ATTENZIONE!

Da utilizzare solo con l'alimentatore incluso o con un altro alimentatore compatibile!

Connettore T-Block da +12V fino a +48V :



Attenzione!!!

Non collegare mai l'alimentazione alla massa del telaio il tuo hardware potrebbe subire danni irripetibili!

4. Installazione Hardware

Si prega di prendere nota sulle seguenti istruzioni d'installazione. Poiché esistono diverse differenze tra i PC, possiamo fornirvi solamente delle istruzioni in generale per il collegamento dell'EX-61001. Se qualcosa non vi è chiaro, fare riferimento alle istruzioni per l'uso del proprio manuale del computer.

1. Installare EX-61001 su una guida DIN da 35 mm.



2. Collega il tuo dispositivo seriale al server del dispositivo. È disponibile una connessione DB9 per RS-232 e una morsettiera per l'RS-422/485.
3. Collegare EX-61001 alla rete utilizzando un cavo patch RJ45 Ethernet CAT.5/6.
4. Ora collega l'alimentatore da 12V incluso nella confezione alla presa da 12V designata dell'EX-61001. In alternativa, il server del dispositivo EX-61001 può anche essere collegato a un alimentatore su guida DIN esistente da 12-48 V DC tramite la morsettiera.
5. È possibile visualizzare lo stato del server del dispositivo utilizzando il display LED (vedere pagina 4).

5. Configurazione del Device Server

L'EX-61001 viene consegnato con le seguenti impostazioni di fabbrica:

| | |
|-------------------------|-------|
| Login User Name: | admin |
| Password: | admin |
| IP Address: | DHCP |
| Network Operation Mode: | VCOM |
| Serial Interface: | RS232 |

Premendo e tenendo premuto il pulsante "Reset" per 5 secondi si ripristineranno le impostazioni di fabbrica del dispositivo.

Configurazione:

- Installa il software VCOM (download, vedi sotto) come amministratore (tasto destro, "esegui come amministratore"). Quindi riavviare il computer.
- Una volta connesso il server (i dettagli sono disponibili nelle pagine successive) è possibile accedere al dispositivo utilizzando il pulsante "**Apri nel browser**".
- Se conosci l'indirizzo IP assegnato dal server DHCP, puoi inserirlo direttamente nel browser ed effettuare il login al dispositivo.

Il software Virtual COM è disponibile per il download sul sito web EXSYS:

www.exsys.ch , www.exsys.de oppure www.exsys.it

Cerca per: EX-61001



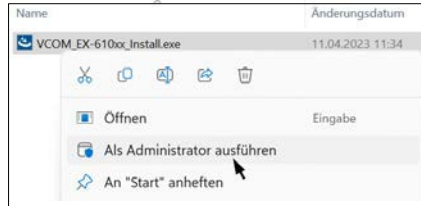
In alternativa, scansiona il codice QR a destra:

6. Utilità VCOM

Sul sito Web EXSYS è disponibile un'utilità VCOM per le applicazioni COM virtuali (vedere pagina 7 per il download).

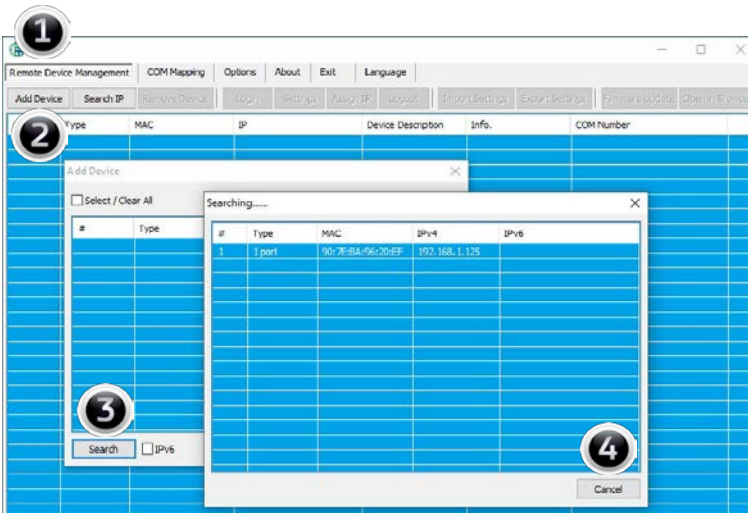
Importante!

Eseguire il programma d'installazione facendo clic con il pulsante destro del mouse su "**Esegui come amministratore**". Dopo aver completato l'installazione, riavviare il computer.



1. Trovare l'indirizzo IP:

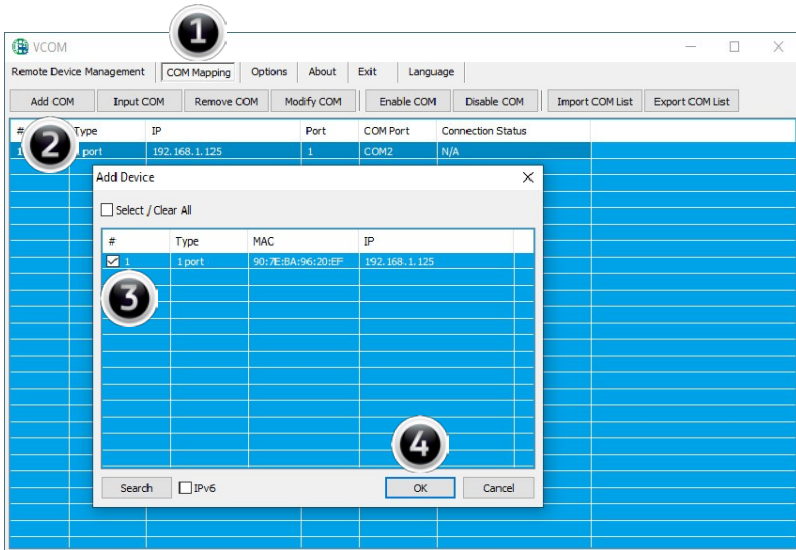
- Avviare l'Utilità VCOM (fare clic con il tasto destro sul collegamento dell'Utilità VCOM sul desktop di Windows e avviarlo con "**Esegui come amministratore**").
- Fare clic su Gestione dispositivo remoto > **AGGIUNGI dispositivo (2)** > **Cerca (3)**
- Una volta trovato il dispositivo, fare clic su **Annulla (4)** per annullare la ricerca. Successivamente fare clic su **OK** per aggiungere EX-61001



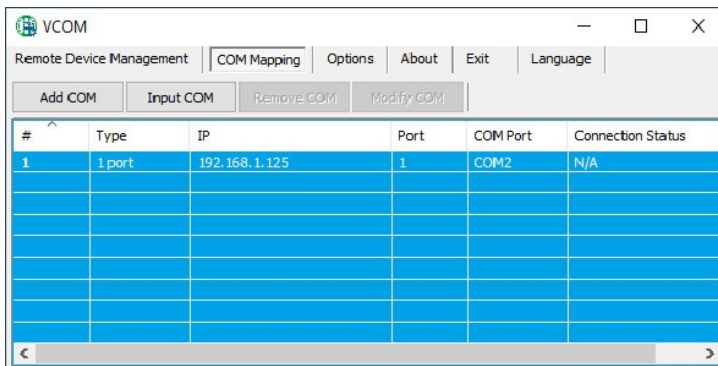
6. Utilità VCOM

2. Occupazione delle porte COM:

Per creare la porta COM virtuale e mapparla sul dispositivo seriale, fare clic su **Mappatura COM**
(1)> Aggiungi COM (2) > OK (4)

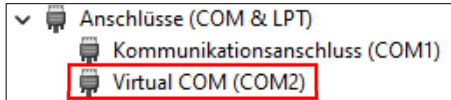


È stata aggiunta COM2



6. Utilità VCOM

Controlla se le porte COM sono state aggiunte in Gestione dispositivi! Ora in Gestione dispositivi dovrebbero essere visibili le seguenti voci:



7. Impostazioni del server

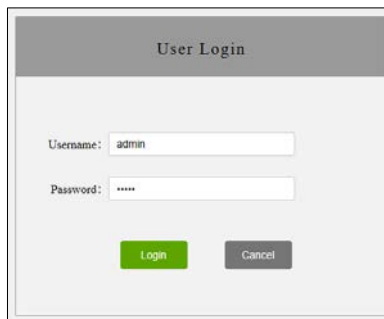
Per modificare le impostazioni del server del dispositivo seriale, è necessario accedere all'interfaccia web. Per aprire il menu di configurazione web, fare clic su **Gestione dispositivi** remoti nel software VCOM, se sono collegati più server di dispositivi, selezionare quello a cui si desidera accedere dall'elenco e quindi fare clic su **Apri nel browser**.

Il browser Internet si apre e viene visualizzata la seguente finestra di accesso. I dettagli di accesso predefiniti da fabbrica e sono:

User Name: **admin**

Password: **admin**

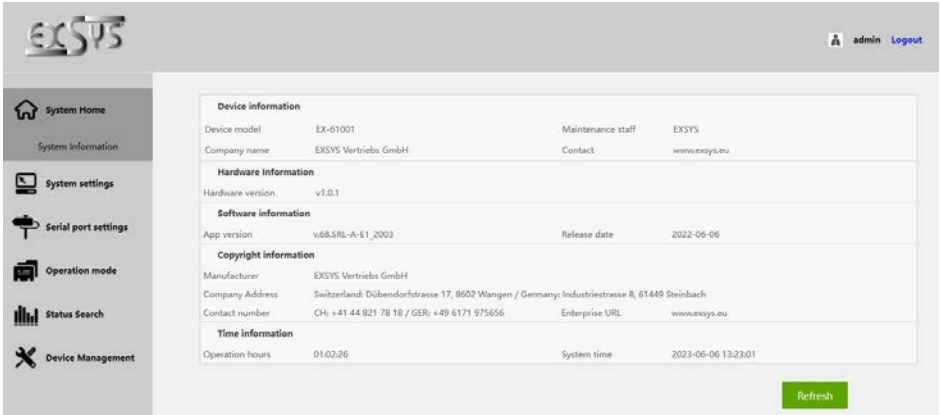
Se conosci l'indirizzo IP assegnato dal server DHCP, puoi inserirlo direttamente nel browser ed effettuare il login al dispositivo.



7. Impostazioni del server

1. System Home: Informazioni sul sistema

Le informazioni generali sul sistema sono elencate qui.

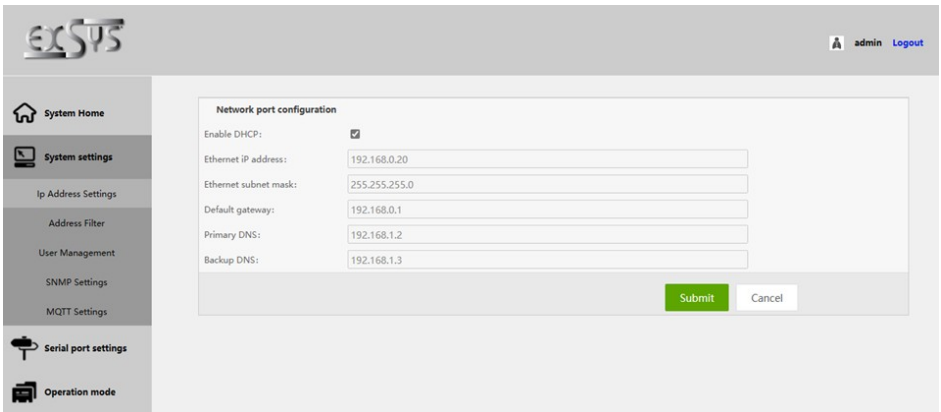


The screenshot shows the EXSYS System Home interface. The left sidebar contains navigation options: System Home, System Information, System settings, Serial port settings, Operation mode, Status Search, and Device Management. The main content area displays system information in a table format, categorized into Device, Hardware, Software, Copyright, and Time information. A 'Refresh' button is located at the bottom right of the table.

| Device information | | | |
|-----------------------|--|-------------------|---------------------|
| Device model | EX-61001 | Maintenance staff | EXSYS |
| Company name | EXSYS Vertriebs GmbH | Contact | www.exsys.eu |
| Hardware information | | | |
| Hardware version | v1.0.1 | | |
| Software information | | | |
| App version | v68.SRL-A-E1_2003 | Release date | 2022-06-06 |
| Copyright information | | | |
| Manufacturer | EXSYS Vertriebs GmbH | | |
| Company Address | Switzerland: Dübendorfstrasse 17, 8602 Wangen / Germany: Industriestrasse 8, 61449 Steinbach | | |
| Contact number | CH: +41 44 821 78 18 / GER: +49 6171 975656 | Enterprise URL | www.exsys.eu |
| Time information | | | |
| Operation hours | 01:02:26 | System time | 2023-06-06 13:23:01 |

2. System Settings - Impostazioni dell'indirizzo IP

Scegli tra l'assegnazione automatica dell'IP tramite DHCP o IP statico.



The screenshot shows the EXSYS System Settings interface. The left sidebar contains navigation options: System Home, System settings, Ip Address Settings, Address Filter, User Management, SNMP Settings, MQTT Settings, Serial port settings, and Operation mode. The main content area displays the 'Network port configuration' settings. The 'Enable DHCP' checkbox is checked. The following fields are filled with IP addresses: Ethernet IP address (192.168.0.20), Ethernet subnet mask (255.255.255.0), Default gateway (192.168.0.1), Primary DNS (192.168.1.2), and Backup DNS (192.168.1.3). 'Submit' and 'Cancel' buttons are at the bottom right.

7. Impostazioni del server

2. Impostazioni di sistema - Filtri indirizzi

Limita l'accesso al server del dispositivo specificando gli intervalli di indirizzi IP autorizzati.

Address Filter

Enable:

Active NO.1:

Starting IP address:

Terminate IP address:

Active NO.2:

Starting IP address:

Terminate IP address:

Active NO.3:

Starting IP address:

Terminate IP address:

Active NO.4:

Starting IP address:

Terminate IP address:

2. Impostazioni di sistema - Gestione utenti

Crea nuovi utenti e definisci le loro autorizzazioni.

User Management

| Username | Permission | Operation |
|----------|------------|------------------------|
| admin | adminstor | Modify |

Add User

Username: (4-6 digits: composed of a-z,A-Z or 0-9)

Password: (4-6 digits: composed of a-z,A-Z or 0-9)

Confirm Password: (4-6 digits: composed of a-z,A-Z or 0-9)

Permission:

7. Impostazioni del server

3. Impostazioni porta seriale: impostazioni per la porta seriale

| | |
|-------------------------------|---|
| Alias | Assegna un nome alla porta seriale |
| Tipo di interfaccia | Tipo di interfaccia (RS232/485/422) |
| Baud rate | Baud rate della porta seriale (il valore deve corrispondere al baud rate del dispositivo collegato) |
| Data bit | Bit di dati (il valore deve corrispondere alla velocità di trasmissione del dispositivo collegato), il valore predefinito è 8 |
| Parity check | Controlla i bit (none, even, odd), (il valore dovrebbe essere uguale alla velocità di trasmissione del dispositivo collegato), il valore predefinito è none |
| Stop bit | Stop bit (il valore deve corrispondere alla velocità di trasmissione del dispositivo collegato), il valore predefinito è 8 |
| Controllo RST | Auto, XON/XOFF, CTS/RTS sono selezionabili |
| Intervallo di tempo | Intervallo di compressione dei dati (se necessario, il valore predefinito è 0) |
| Lunghezza dell'imballaggio | Lunghezza di un pacchetto dati (se richiesto, il valore predefinito è 0) |
| Abilitazione del delimitatore | Se necessario, attivare la separazione dei pacchetti utilizzando i delimitatori |
| Delimitatore | Imposta la codifica del separatore (da 0 a 0xff) |
| Gestione dei delimitatori | Scegli tra conservare e scartare |

The screenshot shows the EXSYS web interface. The top navigation bar includes the EXSYS logo and an 'admin Logout' link. The left sidebar contains navigation icons for System Home, System settings, Serial port settings (highlighted), Operation mode, Status Search, and Device Management. The main content area is titled 'Serial port settings' and contains the following configuration options:

Serial Port Parameter

- Alias: (Range:0-20 characters)
- Interface type:
- Baud rate:
- Data bit:
- Parity check:
- Stop bit:
- RST Control:

Data Packaging Settings

- Interval time: (0-3000 milliseconds)
- Packing length: (0-1000 bytes)
- Delimiter enabling:
- Delimiter: (0-0xff)
- Delimiter handling:

At the bottom right of the configuration area, there are 'Submit' and 'Cancel' buttons.

7. Impostazioni del server

4. Gestione dispositivi: gestione dei dispositivi

| | |
|----------------------------|---|
| Aggiornamento del firmware | <p>Installazione del nuovo software del dispositivo. Selezionare il pacchetto di installazione memorizzato localmente del nuovo firmware e fare clic su "Avvia" per eseguire l'aggiornamento. ATTENZIONE! Durante l'aggiornamento, il server del dispositivo deve essere sempre connesso alla rete e collegato all'alimentazione, altrimenti il dispositivo potrebbe essere distrutto.</p> |
| Ripristina di fabbrica | Ripristino del dispositivo alle impostazioni di fabbrica |
| Riavvio della porta | Riavviare singole porte (ad es. in caso di malfunzionamento) |
| Riavvio del sistema | Riavvia il server del dispositivo |

The screenshot shows the EXSYS web interface. On the left is a navigation menu with 'Device Management' selected. The main content area displays four sections:

- Firmware Upgrade:** Includes a warning: "Warning: The upgrade operation will interrupt all communication, please do not cut off the power of the device during the upgrade process to avoid damage to the device!". It features a "Select file" button and a "Start" button.
- Restore Factory:** Includes a warning icon and the text: "Please press the 'Restore Factory' button to restore the factory default settings." It has a "Restore Factory" button.
- Port Restart:** Includes a warning icon and the text: "To confirm that you want to restart, press the 'Restart' button." It has a dropdown menu for "Select the serial port:" (set to '1') and a "Restart" button. A warning below states: "Warning: The operation of restarting the port will reinitialize the configuration parameters of the selected port, interrupt the serial communication and Ethernet connection, and the untransmitted data may be lost!"
- System Restart:** Includes a warning icon and the text: "To confirm that you want to restart the device, press the 'Restart' button." It has a "Restart" button. A warning below states: "Warning: The restart operation will discard all unsaved configuration parameter changes, interrupt the serial communication and Ethernet connection, and the uncompleted data may be lost."

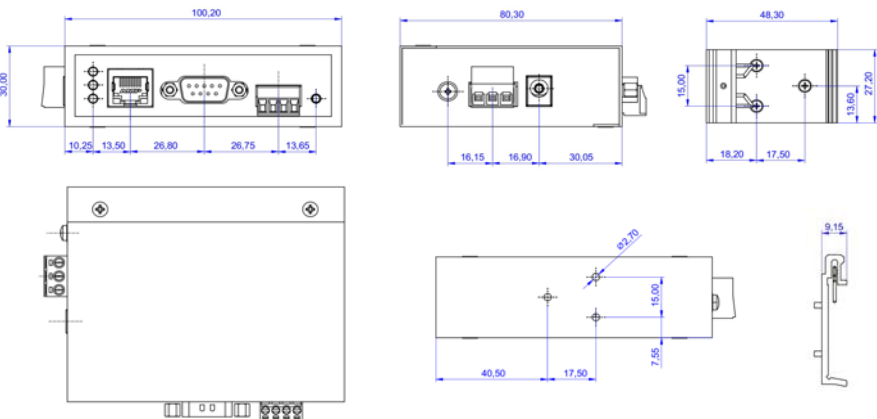
8. Pulizia

Per pulire il dispositivo utilizzare esclusivamente un panno asciutto e privo di pelucchi e rimuovere lo sporco esercitando una leggera pressione. Nella zona dei collegamenti, assicurarsi che non rimangano fibre del panno nella presa. *Non utilizzare in nessun caso un panno umido o bagnato per la pulizia!*

9. Dati Tecnici

| | |
|------------------------------|--|
| Trasferimento Dati: | Da 50 fino a 921.6 Kbps Baudrate |
| Attacchi: | 1x DB9 Porta Seriale RS-232, 1x Terminal Block RS-422/485, 1x RJ45 Ethernet, 1x 12-48V JACK DC, 1x Terminal Block 12-48V |
| Sistema Hardware: | Ethernet 10/100 Mbit/s |
| VCOM Utility: | Tutto su IP e numero di porta |
| Sistema Operativo: | Windows XP/Vista/7/8.x/10/11/Server 20xx |
| Temp. D'esercizio: | Da -40° a 85° Celsius |
| Temp. Conservazione: | Da -40° a 85° Celsius |
| Umidità Rel.: | Dal 5% al 95% |
| Classe di protezione: | IP 30 |
| Alimentazione: | Da +12V a +48V |
| Dimensione: | 100 x 85 x 30 mm |
| Peso: | 270g |





10. Disegno Tecnico



1. Description

The EX-61001 is a multiprotocol RS-232/422/485 serial device server for integrating RS-232/422/485 serial devices, such as barcode scanners, weighing systems and payment terminals, into an IP-based Ethernet network. The serial devices are connected to the network and are available for sharing on the subnet and the Internet. Extensive network protocols such as TCP Server, TCP Client, UDP, VCOM, Remote Pair Master Slave, Modbus Server, Modbus Client and SNMP are supported. In addition, serial devices with remote pair master-slave mode can communicate with each other via peer-to-peer mode without the need for an intermediate PC or conversion software. With the Virtual COM (VCOM) software available for download, a perfectly migrated virtual serial port can be created on Windows computers for each serial device.

Features:

- 1x RS-232 Port (DB9), 1x RS-422/485 Port (Terminal Block)
- Up to 921.6 Kbps baud rate
- Serial modes: RS-232, RS-422, RS-485 2-wire
- Ethernet protocols: ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, SNMP, MQTT, MODBUS
- Operating modes: VCOM, MCP, TCP Server, TCP Client, UDP, Remote Pair mode, Modbus TCP Server, Modbus TCP Client
- Configuration: Windows-based VCOM administrator utility and web browser
- **Certificate for**    

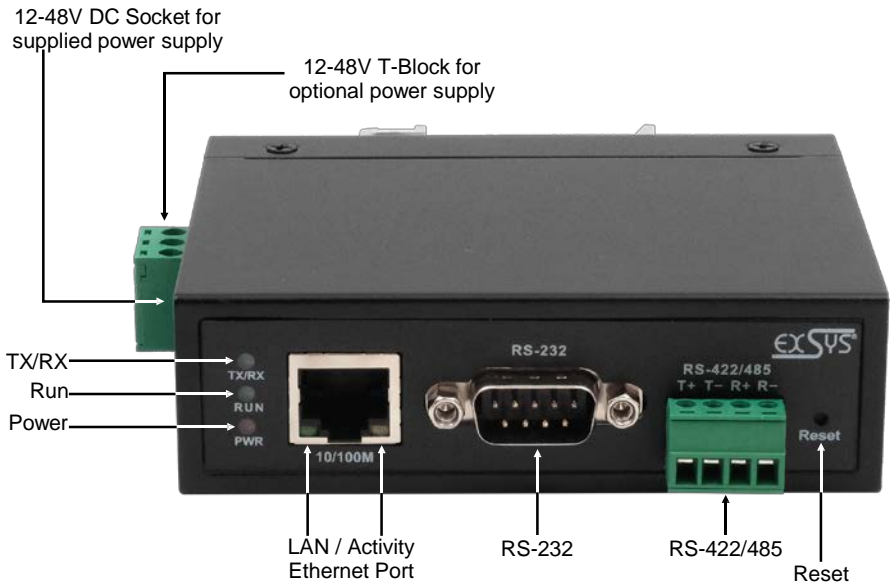
2. Extent of delivery

Before you integrate the EX-61001 into your network, you should first check the contents of the delivery:

- EX-61001
- Power Supply (12V/1A)
- DIN-Rail Kit (pre-assembled)
- Quick Start Guide

3. Layout, Connections & LED's

3.1 Layout



3.2 LED's

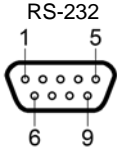
LEDs:

| LED Name | Color | LED Function |
|---------------------|---------------|--|
| Activity LED (RJ45) | Yellow | Steady on: Network is connected Blinking: Transferring data on the Network Off: No connection |
| LAN LED (RJ45) | Green | Steady on: Network ist connected Off: No connection |
| Power LED | Red | Steady on: Device is powered Off: No power connected |
| RUN LED | Green | Steady on: Device is booting Blinking: Server is ready for end devices Off: Server is not ready |
| TX/RX LED | Green | Blinking: Serial port data transmission Off: No data transmission on the serial port |

3. Layout, Connections & LED's

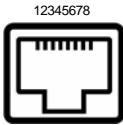
3.3 Connections

Serial:



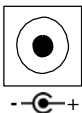
| Serial RJ45 Port | | | | | | | |
|------------------|-------|-------|-------|-----|-------|-------|-------|
| Pin | RS232 | RS422 | RS485 | Pin | RS232 | RS422 | RS485 |
| 1 | | TxD+ | Data+ | 5 | | | |
| 2 | RxD | TxD- | Data- | 6 | GND | GND | GND |
| 3 | TxD | RxD+ | | 7 | RTS | | |
| 4 | | RxD- | | 8 | CTS | | |

Ethernet:



| RJ45 Port | | | | | |
|-----------|--------|-----|--------|-----|--------|
| Pin | Signal | Pin | Signal | Pin | Signal |
| 1 | BI_DA+ | 4 | BI_DC+ | 7 | BI_DD+ |
| 2 | BI_DA- | 5 | BI_DC- | 8 | BI_DD- |
| 3 | BI_DB+ | 6 | BI_DB- | | |

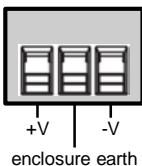
+12V to +48V DC socket:



ATTENTION!

Only for use with the power supply unit included in the scope of delivery or another compliant power supply unit!

+12V to +48V T-Block:



ATTENTION!

Never connect power to the enclosure earth, this can destroy your hardware!

4. Hardware Installation

Please observe the following installation instructions. Since there are major differences between PCs, we can only give you general instructions for connecting the EX-61001. If anything is unclear, please refer to the operating instructions of your computer system.

1. Install the EX-61001 on a 35 mm DIN-Rail.



2. Connect your serial devices to the device server. A DB9 connector is available for RS-232 and a terminal block for RS-422/485.
3. Connect the EX-61001 to your network using an RJ45 Ethernet CAT.5/6 patch cable.
4. Now connect the 12V power supply included in the scope of delivery to the 12V socket provided for this purpose on the EX-61001. Alternatively, you can connect the EX-61001 device server to an existing DIN-Rail power supply unit 12-48 VDC via the terminal block.
5. The LED display shows the status of the device server (see page 17).

5. Configuration of the Device Server

The EX-61001 is delivered with the following factory settings:

| | |
|-------------------------|-------|
| Login User Name: | admin |
| Password: | admin |
| IP Address: | DHCP |
| Network Operation Mode: | VCOM |
| Serial Interface: | RS232 |

By pressing and holding the "Reset" button for 5 seconds, the device will be reset to the factory settings.

Configuration:

- Install the VCOM software (download, see below) as administrator (right click, "run as administrator"). Then restart the computer.
- As soon as you have connected the server (details can be found on the next pages), you can access the unit via the button "Open in Browser".
- If you know the IP address assigned by the DHCP server, you can also type it directly into your browser and log into the unit.

For the **Virtual COM Utility** go to:

www.exsys.ch/en or www.exsys.de/en

Search for: EX-61001



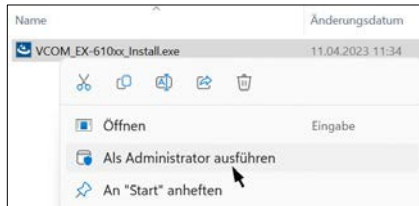
Alternatively you can scan the QR Code on the right:

6. VCOM Utility

For virtual COM applications, a VCOM utility is provided on the EXSYS website (download see page 20).

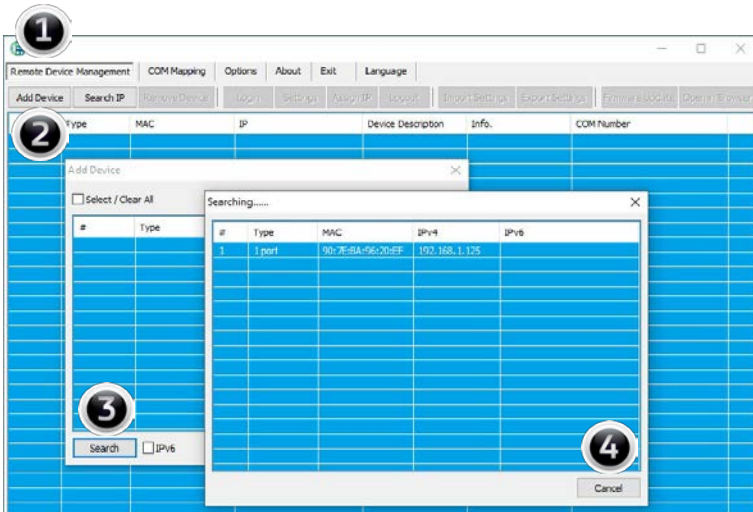
Important!

Please run the installation programme by right-clicking "Run as administrator"! After completing the installation, restart the computer.



1. Get the IP address:

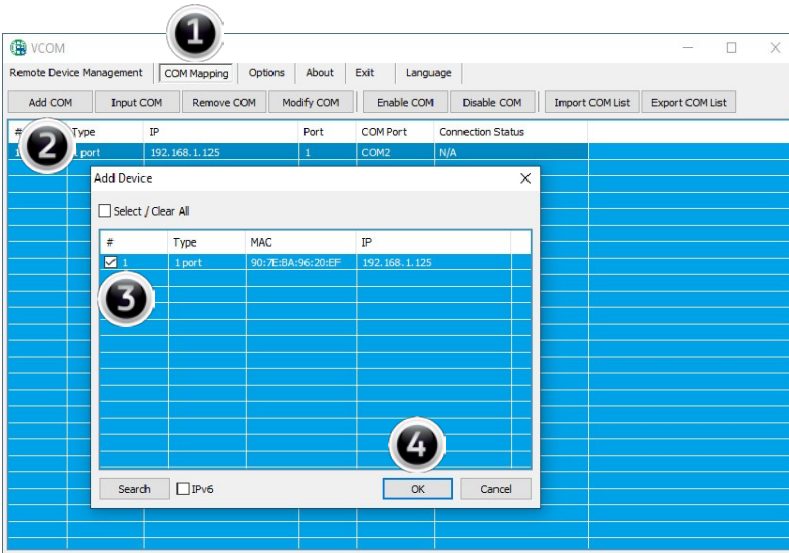
- Start the VCOM Utility (right-click on the VCOM Utility shortcut on the Windows desktop and start it with „Run as Administrator“).
- Click **Remote Device Management** > **ADD Device** > **Search**
- After the device is found, click **Cancel** to abort the search. Click **OK**, to add the EX-61001.



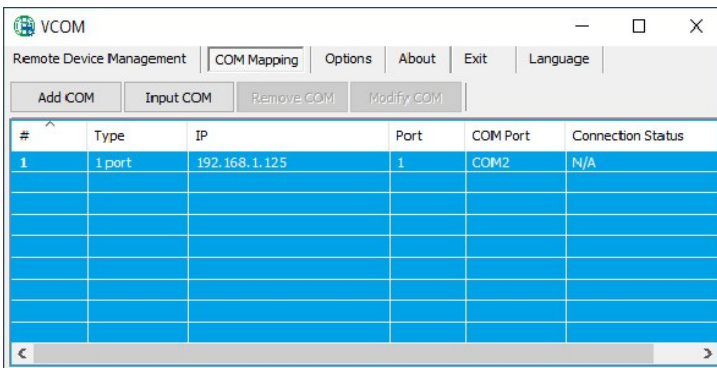
6. VCOM Utility

2. Assignment of COM-Ports:

To create the virtual COM port and assign it to the serial device, click **COM Mapping** > **Add COM** > **OK**

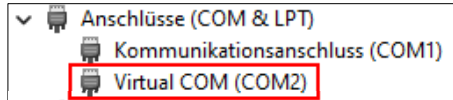


COM2 has now been added



6. VCOM Utility

Check whether the COM ports have been added in the device manager! The following entries should now be visible in the device manager:



7. Server Settings

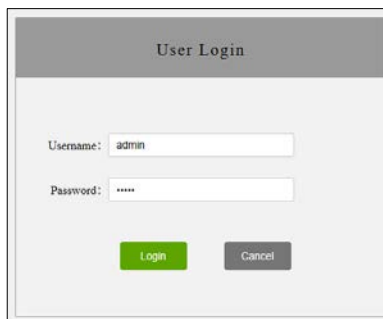
To change the settings of the serial device server, you must log into the web interface. To open the web configuration menu, click on **Remote Device Management** in the VCOM software, if you have connected several device servers, select the one you want to access from the list and then click on **Open in Browser**.

Your Internet browser opens and the login window appears. The factory-set login data is:

User Name: **admin**

Password: **admin**

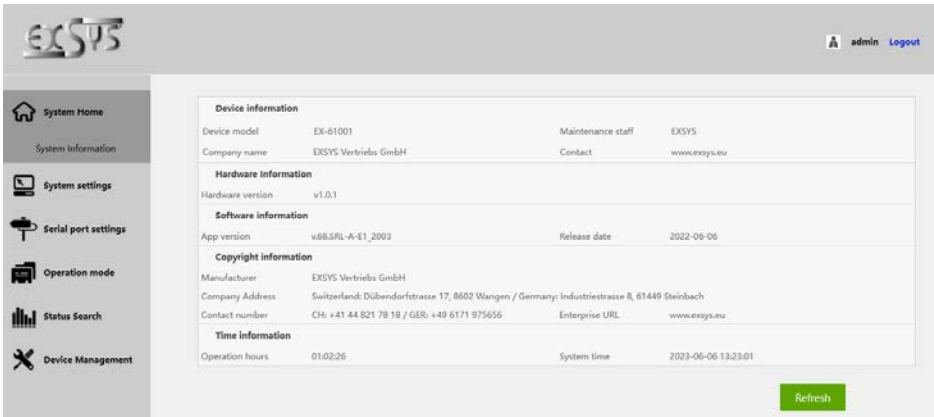
If you know the IP address assigned by the DHCP server, you can also enter it directly into your browser and log in to the unit.

A screenshot of a web browser displaying a 'User Login' form. The form has a title bar 'User Login' and two input fields: 'Username:' with the text 'admin' and 'Password:' with masked characters '*****'. Below the fields are two buttons: a green 'Login' button and a grey 'Cancel' button.

7. Server Settings

1. System Home - System Information

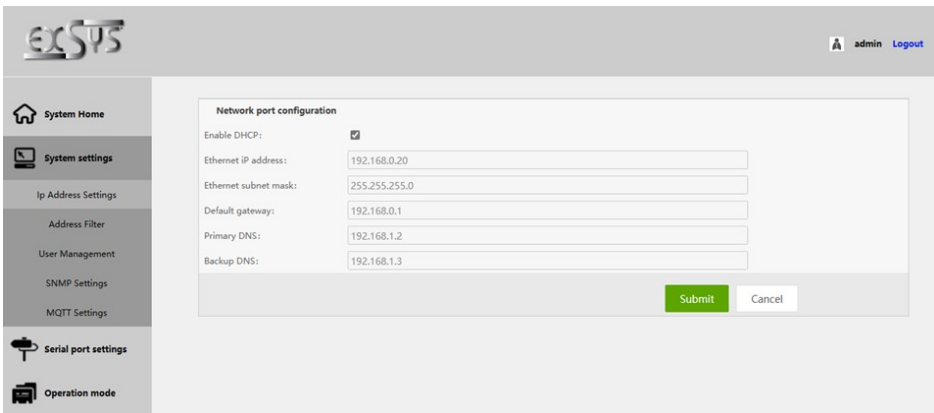
General information about the system.



| Device information | | | |
|-----------------------|--|-------------------|---------------------|
| Device model | EX-61001 | Maintenance staff | EXSYS |
| Company name | EXSYS Vertriebs GmbH | Contact | www.exsys.eu |
| Hardware information | | | |
| Hardware version | v1.0.1 | | |
| Software information | | | |
| App version | v08.SRL-A-E1_2003 | Release date | 2022-06-06 |
| Copyright information | | | |
| Manufacturer | EXSYS Vertriebs GmbH | | |
| Company Address | Switzerland: Dübendorferstrasse 17, 8602 Wangen / Germany: Industriestrasse 8, 61449 Steinbach | | |
| Contact number | CH: +41 44 821 78 18 / GER: +49 6171 975656 | Enterprise URL | www.exsys.eu |
| Time information | | | |
| Operation hours | 01:02:26 | System time | 2023-06-06 13:23:01 |

2. System Settings - IP Address Settings

Choose between automatic IP assignment via DHCP or static IP.



| Network port configuration | |
|----------------------------|--|
| Enable DHCP: | <input checked="" type="checkbox"/> |
| Ethernet IP address: | <input type="text" value="192.168.0.20"/> |
| Ethernet subnet mask: | <input type="text" value="255.255.255.0"/> |
| Default gateway: | <input type="text" value="192.168.0.1"/> |
| Primary DNS: | <input type="text" value="192.168.1.2"/> |
| Backup DNS: | <input type="text" value="192.168.1.3"/> |

7. Server Settings

2. System Settings - Address Filter

Limit access to the device server by setting authorised IP address ranges.

2. System Settings - User Management

Create new users and define their authorisation.

7. Server Settings

3. Serial Port Settings - Einstellungen für die serielle Schnittstelle

| | |
|--------------------|--|
| Alias | Set the serial port alias |
| Interface type | Interface type (RS232/485/422) |
| Baud rate | Serial port baud rate (the value should be the same as the baud rate of the device connected) |
| Data bit | Data bits (the value should be the same as the baud rate of the device connected), default is 8 |
| Parity check | Check bits (none, even, odd), (the value should be the same as the baud rate of the device connected), default is none |
| Stop bit | Stop bit (the value should be the same as the baud rate of the device connected), default is 8 |
| RST Control | Auto, XON/XOFF, CTS/RTS can be selected |
| Interval time | Data packing interval (if required, default is 0) |
| Packing length | Length of data pack (if required, default is 0) |
| Delimiter enabling | Enable packet separation by delimiter if required |
| Delimiter | Set the encoding of the delimiter for the transmitted data (0-0xff) |
| Delimiter handling | Chose to keep und discard |

EXSYS admin Logout

Serial port settings

Serial Port Parameter

Alias: (Range:0-20 characters)

Interface type:

Baud rate:

Data bit:

Parity check:

Stop bit:

RST Control:

Data Packaging Settings

Interval time: (0-5000 milliseconds)

Packing length: (0-1000 byte)

Delimiter enabling:

Delimiter: (0-0xff)

Delimiter handling:

7. Server Settings

4. Device Management - Geräteverwaltung

| | |
|------------------|--|
| Firmware Upgrade | Installing new device firmware. Select the locally stored installation package of the new firmware and click on "Start" to perform the upgrade. Attention! During the upgrade, the device server must always be connected to the network and to the power supply, otherwise the device may be destroyed. We cannot accept any responsibility for incorrectly executed updates. |
| Restore Factory | Resetting the unit to factory defaults |
| Port Restart | Restarting individual ports (e.g. in case of a malfunction) |
| System Restart | Reboot the serial device server |

The screenshot displays the EXSYS web interface. On the left is a navigation menu with icons and labels for: System Home, System settings, Serial port settings, Operation mode, Status Search, and Device Management. The Device Management section is expanded, showing four sub-panels:

- Firmware Upgrade:** Includes a warning: "Warning: The upgrade operation will interrupt all communication, please do not cut off the power of the device during the upgrade process to avoid damage to the device!". It features a "Select file" button and a "Start" button.
- Restore Factory:** Includes a warning icon and the text: "Please press the 'Restore Factory' button to restore the factory default settings." It has a "Restore Factory" button.
- Port Restart:** Includes a warning icon, the text: "To confirm that you want to restart, press the 'Restart' button.", a dropdown menu for "Select the serial port:" (set to '1'), a warning: "Warning: The operation of restarting the port will initialize the configuration parameters of the selected port, interrupt the serial communication and Ethernet connection, and the untransmitted data may be lost!", and a "Restart" button.
- System Restart:** Includes a warning icon, the text: "To confirm that you want to restart the device, press the 'Restart' button.", a warning: "Warning: The restart operation will discard all unsaved configuration parameter changes, interrupt the serial communication and Ethernet connection, and the uncompleted data may be lost.", and a "Restart" button.

8. Cleaning

To clean the device, please use only a dry, non-fibrous cloth and remove the dirt with light pressure. In the area of the connections, please make sure that no fibers of the cloth are left in the socket.

Attention! Never use a moist or wet cloth for cleaning!

9. Technical Information

| | |
|-------------------------------|--|
| Data Transfer Rate: | 50 to 921.6 Kbps baud rate |
| Connectors: | 1x DB9 serial Port RS-232, 1x Terminal Block RS-422/485, 1x RJ45 Ethernet port, 1x 12-48V DC Connector, 1x Terminal Block 12-48V |
| Hardware System: | Ethernet 10/100 Mbit/s |
| VCOM Utility: | Windows XP/Vista/7/8.x/10/11/Server 20xx |
| Operating System: | All via IP and Port Number (Direct Control Socket Port) |
| Operating Temperature: | -40° to 185° Fahrenheit |
| Storage Temperature: | -40° to 185° Fahrenheit |
| Rel. Humidity: | 5% to 95%, non-condensing |
| Protection Class: | IP30 |
| Power: | +12-48V |
| Size: | 100 x 85 x 30 mm |
| Weight: | 270g |

10. Technical Drawing

