



# EX-61004

Dispositivo Server Seriale  
4x RS-232/422/485



Serial Device Server  
4x RS-232/422/485

[www.exsys.de](http://www.exsys.de)  
[www.exsys.ch](http://www.exsys.ch)  
[www.exsys.it](http://www.exsys.it)

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## 1. Descrizione

EX-61004 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 connessi alla rete e sono disponibili per la condivisione sulla sottorete e su Internet. Sono supportati protocolli di rete estesi come TCP Server, TCP Client, UDP, VCOM, Remote Pair Master-Slave, Modbus Server, Modbus Client e SNMP. Inoltre, i dispositivi seriali con modalità master-slave a coppia remota possono comunicare tra loro tramite il metodo peer-to-peer senza la necessità di un PC intermedio 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 su computer Windows per ogni dispositivo seriale.

### Caratteristiche:

- 4 Porte x RS-232/422/485 attraverso RJ45 Ethernet 10/100Mbps
- Velocità di Trasmissione fino a 921.6 Kbps
- Modalità Seriale : RS-232, RS-422, RS-485 2-fili
- Protocollo Ethernet : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, SNMP, MQTT, MODBUS
- Modalità Operativa: 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
- **Certificazioni per:**    

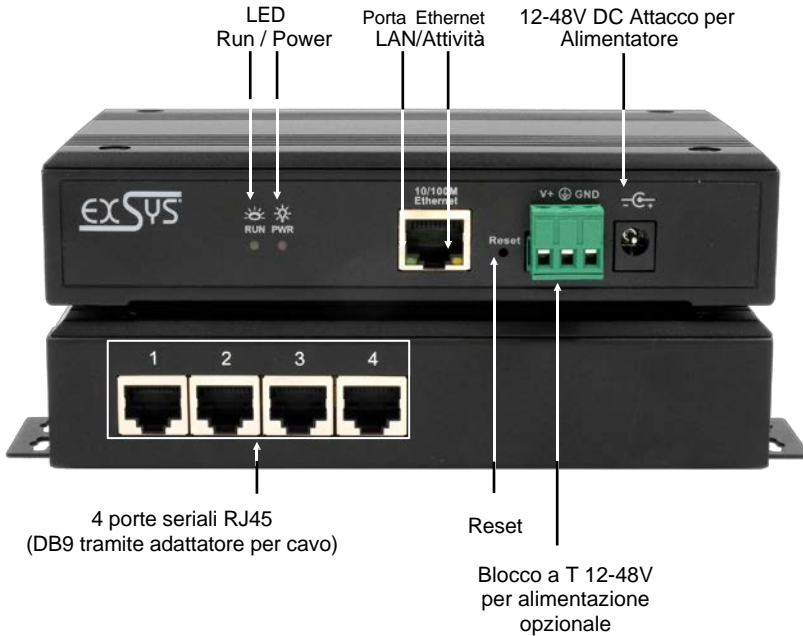
## 2. Contenuto della Confezione

Prima di installare e configurare in rete l'EX-61004, verifica il contenuto della confezione:

- EX-61004
- 4 cavi adattatori da RJ45 a DB9 da 20 cm
- Alimentatore (12V/1A)
- Staffe per montaggio a parete (Kit)
- Manuale d'uso

### 3. Layout, Connettore & LEDs

#### 3.1 Layout



#### 3.2 LEDs

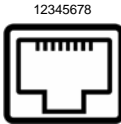
LEDs:

Nome LED	Colore	Funzione LED
LED Attivo (RJ45)	Giallo	<b>Acceso fisso:</b> connessione di rete disponibile <b>Lampeggiante:</b> trasmissione dati in rete <b>Spento:</b> nessuna connessione
LAN LED (RJ45)	Verde	<b>Acceso fisso:</b> connessione di rete disponibile <b>Spento:</b> Nessuna connessione
Power LED	Rosso	<b>Acceso fisso:</b> il dispositivo è acceso <b>Spento:</b> il dispositivo è spento
RUN LED	Verde	<b>Acceso fisso:</b> il Server avviato <b>Lampeggiante:</b> il Server è pronto <b>Spento:</b> il Server non in funzione

## 3. Layout, Connettore & LEDs

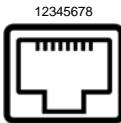
### 3.3 Connettore

Seriale:



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

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-		

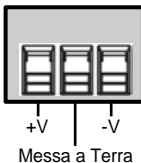
DC-Femmina da +12V fino +48V:



**ATTENZIONE!**

Da utilizzare solo con quello incluso e/ o qualsiasi altro alimentatore conforme!

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



**ATTENZIONE!!!**

Non collegare mai l'alimentazione alla messa a terra dell'armadio, questo può distruggere l'hardware!

## 4. Installazione Hardware

Si prega di osservare le seguenti istruzioni d'installazione. Poiché esistono grandi differenze tra i PC, possiamo fornire solamente delle istruzioni generali per il collegamento dell'EX-61004. Se qualcosa non è chiaro, fare sempre riferimento alle istruzioni per l'uso del proprio sistema informatico.

1. Installare EX-61004 su una parete o su uno scaffale per dispositivi



1. Connettere i dispositivi seriali al server del dispositivo. Se necessario, utilizzare il cavo adattatore in dotazione.
2. Collegare EX-61004 alla rete utilizzando un cavo patch RJ45 Ethernet CAT.5/6.
3. Collegare ora l'alimentatore da 12 V incluso alla presa da 12 V dell'EX-61004 prevista per tale scopo. In alternativa, il dispositivo server EX-61004 può anche essere collegato a un alimentatore per guida DIN da 12-48 V CC esistente tramite la morsettiere.
4. È possibile visualizzare lo stato del server del dispositivo utilizzando il display a LED (vedere pagina 4).

## 5. Configurazione del Device Server

L'EX-61004 viene fornito con le seguenti impostazioni di fabbrica:

Login User Name:	<b>admin</b>
Password:	<b>admin</b>
IP Address:	DHCP
Network Operation Mode:	VCOM
Serial Interface:	RS232

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

### Configurazione:

- Installa il software VCOM (scarica, vedi sotto) come amministratore (tasto destro, "esegui come amministratore"). Quindi riavviare il computer.
- Una volta connesso al server (i dettagli sono disponibili nelle pagine successive) è possibile accedere al dispositivo tramite il pulsante "Apri nel browser".
- Se si conosce l'indirizzo IP assegnato dal server DHCP, è anche possibile inserirlo direttamente nel browser e accedere al dispositivo.

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

[www.exsys.ch](http://www.exsys.ch)    [www.exsys.de](http://www.exsys.de)    [www.exsys.it](http://www.exsys.it)

Cerca :            EX-61004



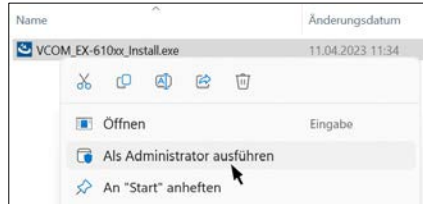
In alternativa scansiona il codice QR qui a destra:

## 6. Utility VCOM

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

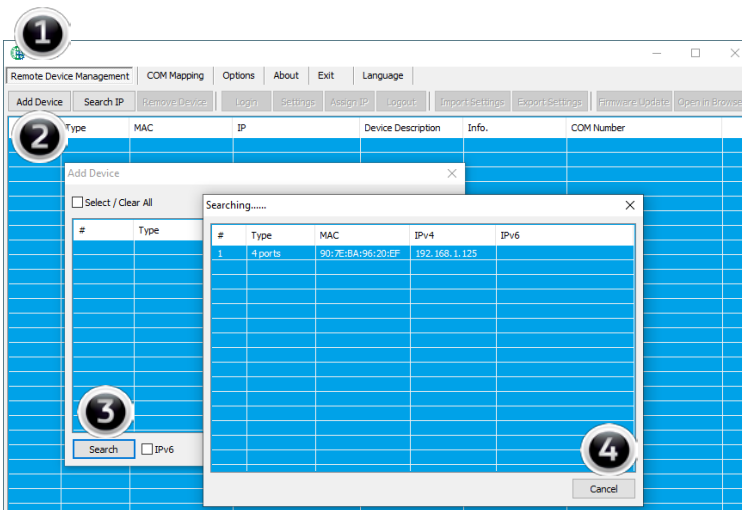
### Importante!

Si prega di eseguire il programma di installazione con il tasto destro "Esegui come amministratore". Dopo aver completato l'installazione, riavviare il computer.



### 1. Trovare l'indirizzo IP:

- Avviare l'utilità VCOM (fare clic con il pulsante destro del mouse sul collegamento dell'utilità VCOM sul desktop di Windows e avviarlo con "**Esegui come amministratore**")
- Click su **Remote Device Management > ADD Device > Search**
- Dopo aver trovato il dispositivo, fare clic su **Annulla** per annullare la ricerca. Successivamente fare clic su **OK** per aggiungere EX-61004

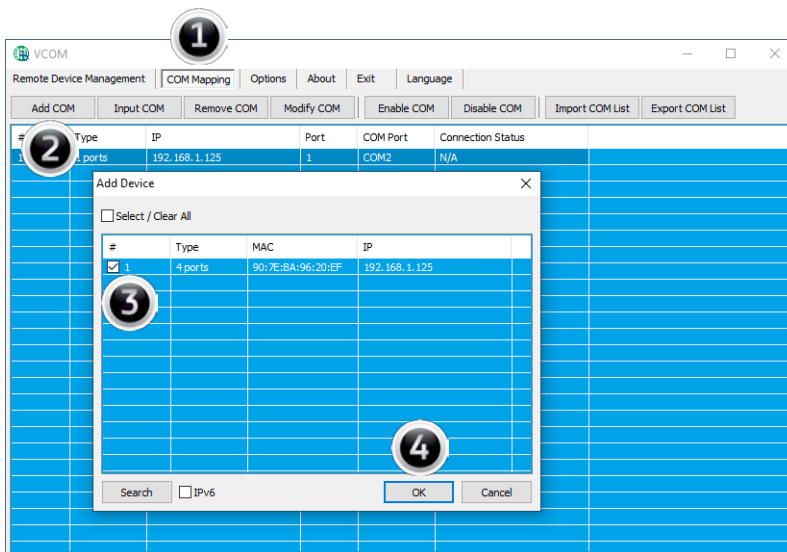




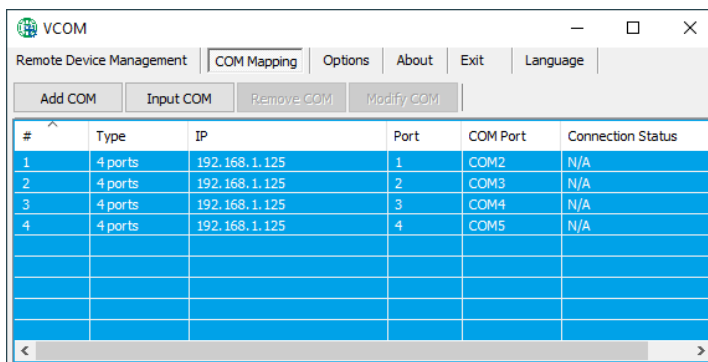
## 6. VCOM Utility

### 2. Allocazione delle porte COM:

Per creare la porta COM virtuale e mapparla al dispositivo seriale, fare clic su **Mappatura COM > Aggiungi COM > OK**

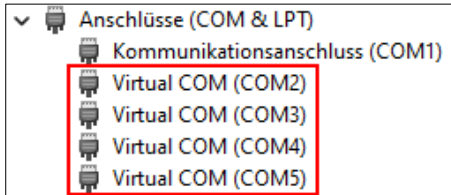


COM2-COM5 sono stati aggiunti



## 6. Utility VCOM

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



## 7. Installazione del Server

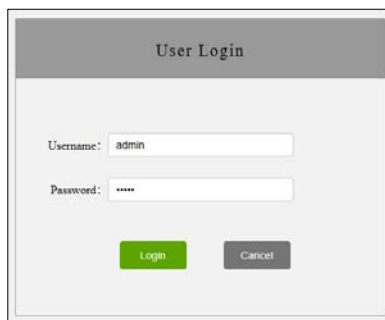
Per modificare le impostazioni del server del dispositivo seriale, è necessario accedere all'interfaccia web. Per aprire il menu di configurazione Web, fare clic su nel software VCOM **Remote Device Management**, se hai connesso più device server, seleziona quello a cui vuoi accedere dall'elenco e poi clicca **Open in Browser**.

Si aprirà il browser Internet e verrà visualizzata la finestra di accesso. Le credenziali predefinite di fabbrica sono:

User Name: **admin**

Password: **admin**

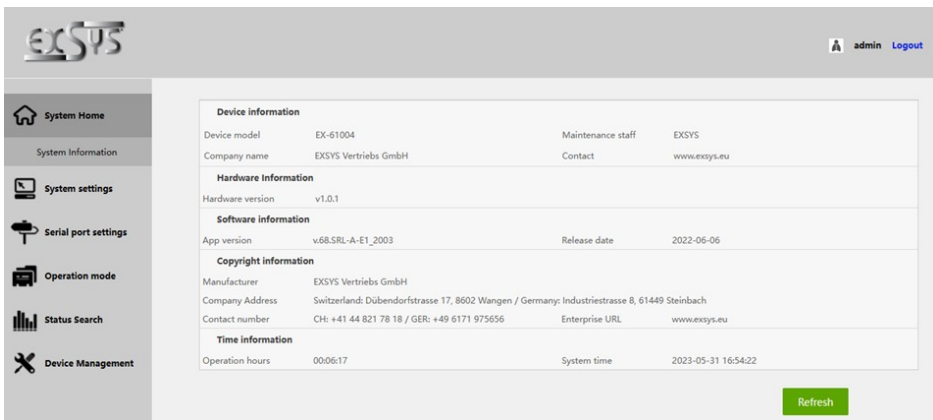
Si aprirà il browser Internet e verrà visualizzata la finestra di accesso. Le credenziali predefinite di fabbrica sono



## 7. Installazione del Server

### 1. System Home – Informazioni del Sistema

Le informazioni generali sul sistema sono elencate qui.

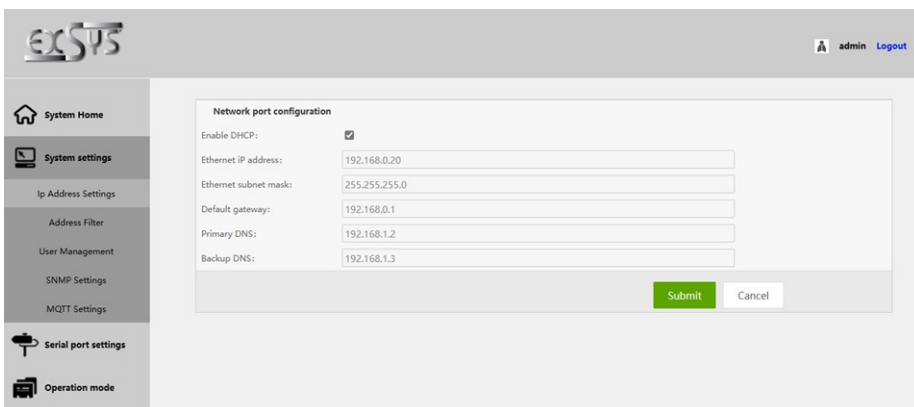


The screenshot shows the EXSYS web interface. The top header includes the EXSYS logo and a user menu with 'admin' and 'Logout'. A left sidebar contains navigation icons for System Home, System Information, System settings, Serial port settings, Operation mode, Status Search, and Device Management. The main content area displays system information in a table format, categorized into Device, Hardware, Software, Copyright, and Time information. A green 'Refresh' button is located at the bottom right of the table.

Device information			
Device model	EX-61004	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	00:06:17	System time	2023-05-31 16:54:22

### 2. System Settings - IP Address Settings

Scegli tra assegnazione IP automatica tramite DHCP o IP statico.



The screenshot shows the EXSYS web interface for IP Address Settings. The top header and left sidebar are consistent with the previous screenshot. The main content area is titled 'Network port configuration' and contains a form with the following fields:

- Enable DHCP:
- Ethernet IP address:
- Ethernet subnet mask:
- Default gateway:
- Primary DNS:
- Backup DNS:

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

## 7. Installazione del Server

### 1. Impostazioni di sistema - Impostazioni indirizzo IP

Limitare l'accesso al server del dispositivo specificando 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:

### 3. 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. Installazione del Server

### 2. Impostazioni porta seriale - Impostazioni per la porta seriale

Alias	Assegna un nome alla porta seriale
Tipo di interfaccia	tipo di interfaccia (RS232/485/422)
Velocità di Trasferimento	Velocità di trasmissione della porta seriale (il valore deve corrispondere alla velocità di trasferimento del dispositivo connesso)
Data bit	Bit di dati (il valore deve corrispondere alla velocità di trasferimento del dispositivo collegato), il valore predefinito è 8
Parity check	Cifra di parità (none, even, odd), (il valore deve corrispondere al baud rate del dispositivo connesso), impostazione predefinita è none
Stop bit	Stop bit (il valore deve corrispondere al baud rate del dispositivo connesso), impostazione predefinita è 8
RST Control	Auto, XON/XOFF, CTS/RTS sono selezionabili
Interval time	Intervallo di impacchettamento dei dati (se necessario, Standard è 0)
Packing length	Lunghezza di un pacchetto di dati (se necessario, Standard è 0)
Delimiter enabling	Se necessario, attivare la separazione dei pacchi utilizzando i delimitatori
Delimiter	Specificare la codifica del delimitatore (0 fino a 0xff)
Delimiter handling	Scegli tra tenere e scartare
Apply to all serial ports	Applica le impostazioni per tutte le porte seriali del server del dispositivo


admin Logout

- System Home
- System settings
- Serial port settings
- Operation mode
- Status Search
- Device Management

#### Serial Port Selection

P1
P2
P3
P4

#### 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:

---

#### Application Options

Apply to all serial ports:

## 7. Installazione del Server

### 2. Gestione dei dispositivi: gestione dei dispositivi

Firmware Upgrade	<p>Installazione del nuovo software del dispositivo.                  Selezionare il pacchetto di installazione memorizzato localmente del nuovo firmware e fare clic su "Start" per eseguire l'aggiornamento.  <b>Attenzione!</b> Durante l'aggiornamento, il server del dispositivo deve essere sempre connesso alla rete e collegato all'alimentazione, altrimenti il dispositivo potrebbe guastarsi in modo irrimediabile.                  Si declina ogni responsabilità per aggiornamenti eseguiti in modo errato.</p>
Restore Factory	Ripristino del dispositivo alle impostazioni di fabbrica
Port Restart	Riavvio delle singole porte (ad es. in caso di malfunzionamento)
System Restart	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 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 "Please select file:" label, a "Select file" button, and a "Not files selected" message. A green "Start" button is at the bottom right.
- Restore Factory:** Features a red warning triangle icon and the text: "Please press the 'Restore Factory' button to restore the factory default settings." A green "Restore Factory" button is at the bottom right.
- Port Restart:** Includes a red warning triangle icon and the text: "To confirm that you want to restart, press the 'Restart' button." Below this is a "Select the serial port:" label with a dropdown menu showing "1". A warning message 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!". A green "Restart" button is at the bottom right.
- System Restart:** Includes a red warning triangle icon and the text: "To confirm that you want to restart the device, press the 'Restart' button." A warning message 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." A green "Restart" button is at the bottom right.

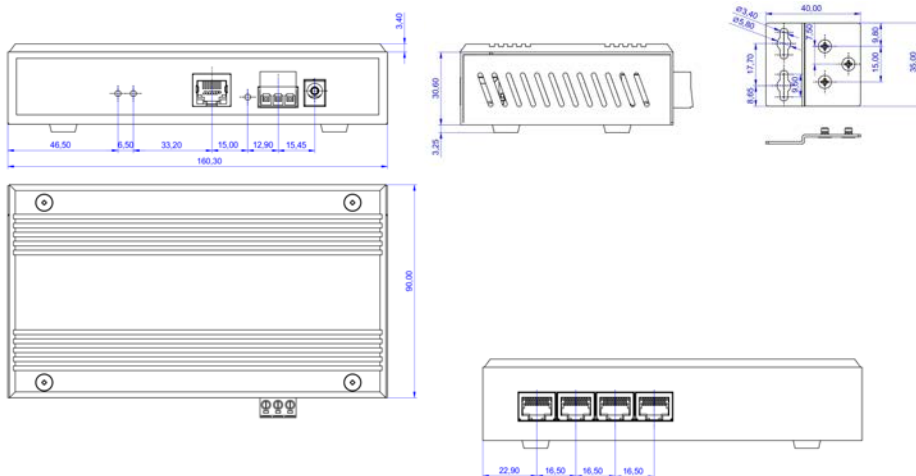
## 8. Pulizia

Per pulire il dispositivo, utilizzare solo un panno asciutto e privo di lanugine e rimuovere lo sporco esercitando una leggera pressione. Nell'area dei collegamenti, assicurarsi che non siano rimaste fibre del panno nelle presa. **Si prega di non utilizzare panni umidi o bagnati per la pulizia!**

## 9. Dati Tecnici

<b>Trasferimento Dati:</b>	da 50 fino a 921.6 Kbps velocità di trasmissione
<b>Connettori:</b>	4 Porte x RJ45 seriale (Cavo adattatore DB9), 1x RJ45 Ethernet, 1x 12-48V DC Femmina, 1x Terminal Block 12-48V
<b>Sistema Hardware:</b>	Ethernet 10/100 Mbit/s
<b>Utility VCOM:</b>	Windows XP/Vista/7/8.x/10/11/Server 20xx
<b>Sistema Operativo:</b>	Tutto su IP e numero di porta
<b>Temperatura d'esercizio:</b>	da -40° fino a 85° Celsius
<b>Temperatura di conservazione:</b>	da -40° fino a 85° Celsius
<b>Rel. Umidità:</b>	da 5% fino a 95%
<b>Classe di Protezione :</b>	IP30
<b>Alimentazione elettrica:</b>	+12-48V
<b>Dimensione:</b>	161 x 91 x 37 mm
<b>Peso:</b>	530g





## 10. Disegno Tecnico



## 1. Description

The EX-61004 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:

- 4x RS-232/422/485 port via RJ45 Ethernet 10/100Mbps
- 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

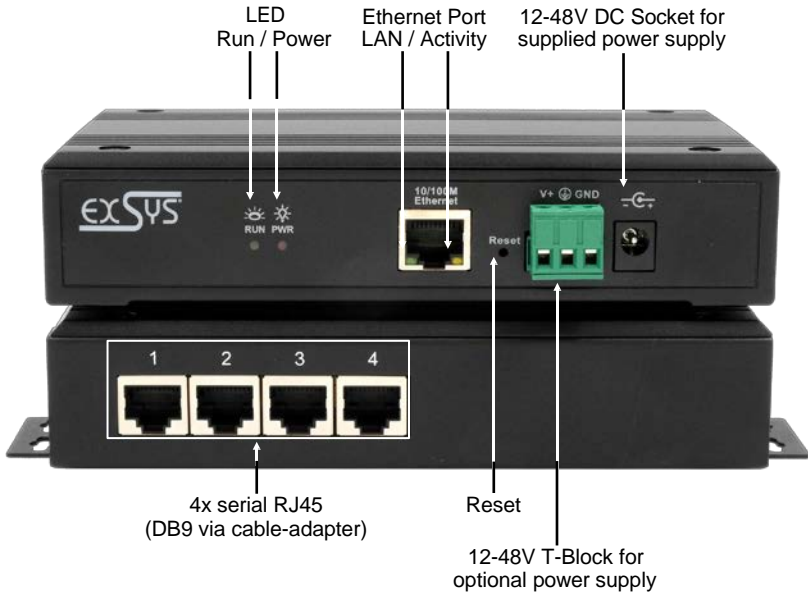
Before you integrate the EX-61004 into your network, you should first check the contents of the delivery:

- EX-61004
- 4x RJ45 to DB9 adapter cable 20 cm
- Power Supply (12V/1A)
- Wall mounting brackets
- Quick Start Guide



## 3. Layout, Connections & LED's

### 3.1 Layout



### 3.2 LED's

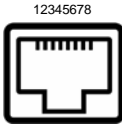
LEDs:

LED Name	Color	LED Function
Activity LED (RJ45)	Yellow	<b>Steady on:</b> Network is connected <b>Blinking:</b> Transferring data on the Network <b>Off:</b> No connection
LAN LED (RJ45)	Green	<b>Steady on:</b> Network ist connected <b>Off:</b> No connection
Power LED	Red	<b>Steady on:</b> Device is powered <b>Off:</b> No power connected
RUN LED	Green	<b>Steady on:</b> Device is booting <b>Blinking:</b> Server is ready for end devices <b>Off:</b> Server is not ready

## 3. Layout, Connections & LED's

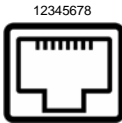
### 3.3 Connections

Serial:



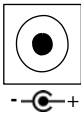
Serial RJ45 Port							
Pin	RS232	RS422	RS485	Pin	RS232	RS422	RS485
1	TxD	TxD+	Data+	5	DSR		
2	RxD	TxD-	Data-	6	GND	GND	GND
3	RTS	RxD+		7	DTR		
4	CTS	RxD-		8	DCD		

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-		

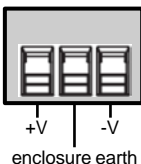
+12V to +48V DC socket:



**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-61004. If anything is unclear, please refer to the operating instructions of your computer system.

1. Install the EX-61004 on a wall or on a device shelf.



2. Connect your serial devices to the device server. If necessary, use the adapter cables supplied.
3. Connect the EX-61004 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-61004. Alternatively, you can connect the EX-61004 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 18).

## 5. Configuration of the Device Server

The EX-61004 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](http://www.exsys.ch/en) - [www.exsys.de/en](http://www.exsys.de/en) - [www.exsys.it](http://www.exsys.it)

Search for: EX-61004



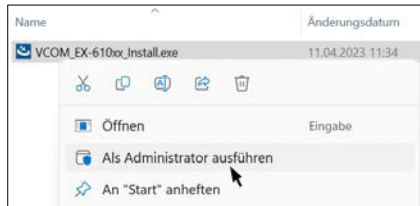
Alternatively you can scan the QR Code on the right:

## 6. VCOM Utility

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

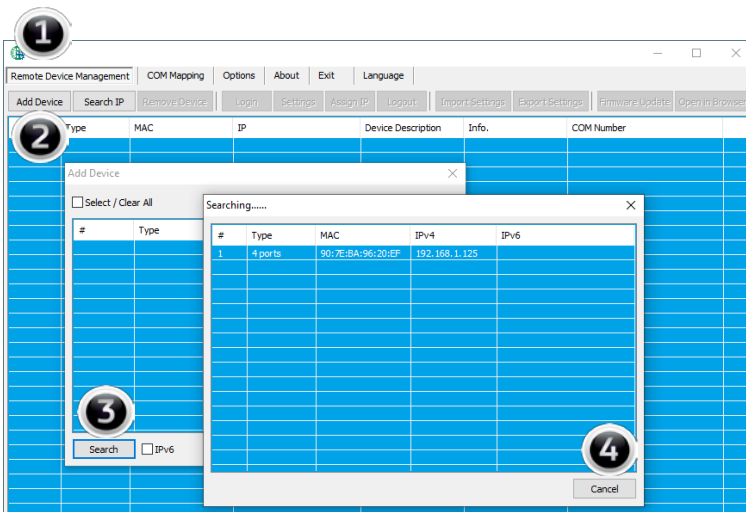
### Important!

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



### 1. Get the IP address:

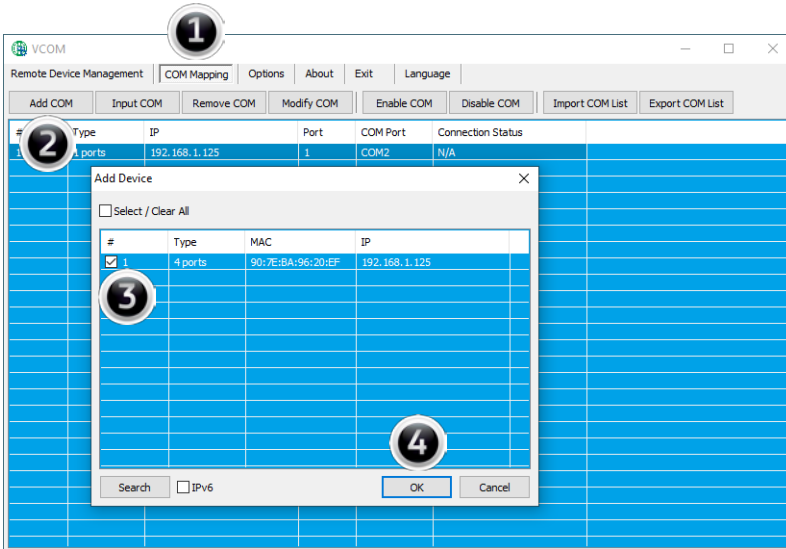
- Start the VCOM Utility (right-click on the VCOM Utility shortcut on the Windows desktop and start it with „Run as Administrator“).
- Click **Remote Device Management** > **ADD Device** > **Search**
- After the device is found, click **Cancel** to abort the search. Click **OK**, to add the EX-61004.



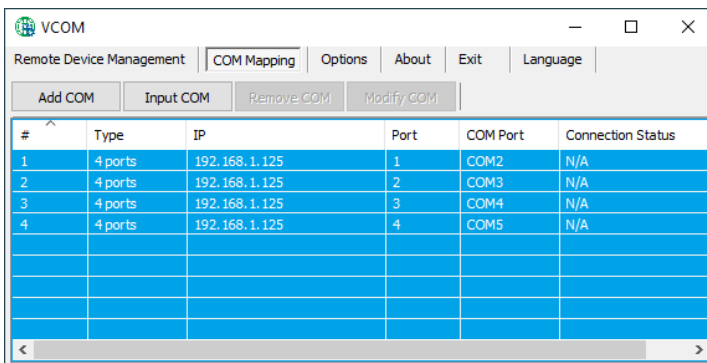
## 6. VCOM Utility

### 2. Assignment of COM-Ports:

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

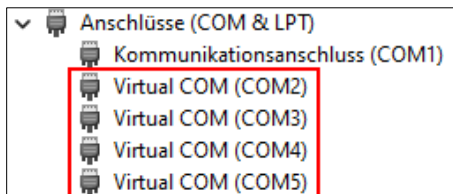


COM2-COM5 have now been added



## 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

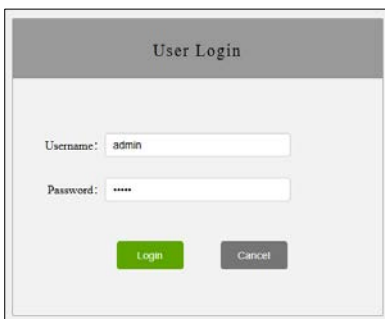
To change the settings of the serial device server, you must log into the web interface. To open the web configuration menu, click on **Remote Device Management** in the VCOM software, if you have connected several device servers, select the one you want to access from the list and then click on **Open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



## 7. Server Settings

### 1. System Home - System Information

General information about the system.

The screenshot shows the EXSYS web interface. The top header includes the EXSYS logo and a user profile for 'admin' with a 'Logout' link. A left sidebar contains navigation icons for 'System Home', 'System Information', 'System settings', 'Serial port settings', 'Operation mode', 'Status Search', and 'Device Management'. The main content area is titled 'Device information' and contains several sections:

- Device information:** Device model: EX-61004; 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: 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: 00:06:17; System time: 2023-05-31 16:54:22

A green 'Refresh' button is located at the bottom right of the information table.

### 2. System Settings - IP Address Settings

Choose between automatic IP assignment via DHCP or static IP.

The screenshot shows the EXSYS web interface for 'Network port configuration'. The top header and sidebar are identical to the previous screenshot. The main content area is titled 'Network port configuration' and includes:

- Enable DHCP:** A checked checkbox.
- Ethernet IP address:** Input field with value 192.168.0.20
- Ethernet subnet mask:** Input field with value 255.255.255.0
- Default gateway:** Input field with value 192.168.0.1
- Primary DNS:** Input field with value 192.168.1.2
- Backup DNS:** Input field with value 192.168.1.3

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



## 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.

Username	Permission	Operation
admin	adminstor	<a href="#">Modify</a>

## 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
Apply to all serial ports	Applies the settings for all serial ports of the device server

**Serial Port Selection**

P1 | P2 | P3 | P4

**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:


**Application Options**

Apply to all serial ports:

## 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. <b>Attention!</b> 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


admin Logout

System Home

System settings

Serial port settings

Operation mode

Status Search

**Device Management**

Firmware Upgrade

Restore Factory

Port Restart

System Restart


**Firmware Upgrade**

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!

Please select file:  Not files selected

Start


**Restore Factory**



Please press the "Restore Factory" button to restore the factory default settings.

Restore Factory

**Port Restart**




To confirm that you want to restart, press the "Restart" button.

Select the serial port:

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!

Restart

**System Restart**



To confirm that you want to restart the device, press the "Restart" button.

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.

Restart

## 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

<b>Data Transfer Rate:</b>	50 to 921.6 Kbps baud rate
<b>Connectors:</b>	4x RJ45 serial ports (via adapter cables), 1x RJ45 Ethernet port, 1x 12-48V DC Connector, 1x Terminal Block 12-48V
<b>Hardware System:</b>	Ethernet 10/100 Mbit/s
<b>VCOM Utility:</b>	Windows XP/Vista/7/8.x/10/11/Server 20xx
<b>Operating System:</b>	All via IP and Port Number (Direct Control Socket Port)
<b>Operating Temperature:</b>	-40° to 185° Fahrenheit
<b>Storage Temperature:</b>	-40° to 185° Fahrenheit
<b>Rel. Humidity:</b>	5% to 95%, non-condensing
<b>Protection Class:</b>	IP30
<b>Power:</b>	+12-48V
<b>Size:</b>	161 x 91 x 37 mm
<b>Weight:</b>	530g

## 10. Technical Drawing

