

EAGLE-EYE




Connessione a dispositivo :

COLLEGAMENTO A SERIAL DEVICE SERVER ADVANTECH SERIE EKI-15xx e ADAM

Sw di connessione Advantech EKI CONFIGURATION UTILITY

INDIRIZZO IP DEL SERIAL DEVICE SERVER EKI-1521 192.168.37.70

SERVER ONLINE	GATEWAY		STATUS	MESSAGE
Disconnect	ERREUNO LABORATORIO (70-b3-d5-bb-f0-3e) note	192.168.37.240	Plant: ERREUNO LABORATORIO S/N: LINEA COMESER	 (device up)
CONNECTED DEVICES LIST:		192.168.37.69	Hilscher GmbH	
		192.168.37.181	Advantech CO.	
		192.168.37.68	Rockwell Automation	
		192.168.37.70	Advantech CO.	

TEST DI COLLEGAMENTO

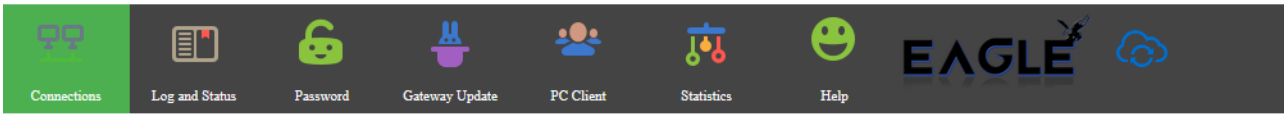
```
C:\Users\roberto3>PING 192.168.37.70




Esecuzione di Ping 192.168.37.70 con 32 byte di dati:
Risposta da 192.168.37.70: byte=32 durata=430ms TTL=63
Risposta da 192.168.37.70: byte=32 durata=216ms TTL=63
Risposta da 192.168.37.70: byte=32 durata=519ms TTL=63
Risposta da 192.168.37.70: byte=32 durata=168ms TTL=63


Statistiche Ping per 192.168.37.70:
  Pacchetti: Trasmessi = 4, Ricevuti = 4,
  Persi = 0 (0% persi),
  Tempo approssimativo percorsi andata/ritorno in millisecondi:
  Minimo = 168ms, Massimo = 519ms, Medio = 333ms
```

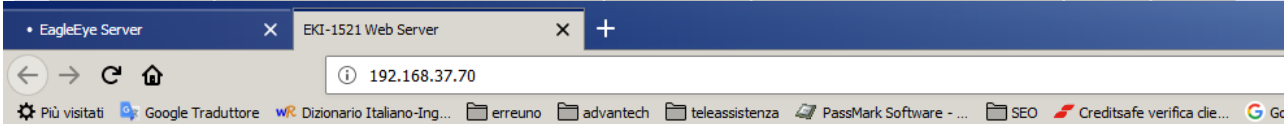
DIRETTAMENTE DAL SERVER EAGLE EYE , è possibile configurare il device avendo al suo interno un web server , per poter configurare direttamente il serial device server





SERVER ONLINE	GATEWAY	STATUS	MESSAGE
Disconnect	ERREUNO LABORATORIO (70-b3-d5-bb-f0-3e) note CONNECTED DEVICES LIST: 192.168.37.240 192.168.37.69 192.168.37.181 192.168.37.68 192.168.37.70	Plant: ERREUNO LABORATORIO S/N: LINEA COMESER Hilscher GmbH Advantech CO. Rockwell Automation Advantech CO.	  (device up)
Connect	ENSYS TEST (70-b3-d5-bb-f0-02) note 192.168.30.193		

click con mouse 



- Home
- System
- Net Configuration
 - Net 1
 - Net 2
- Port Configuration
 - Port 1
- Monitor
 - Port 1
- Alarm
 - Setting
 - Event
- Change Password
- Export
- Import
- Reboot

Welcome to EKI-1521 Web Configuration Server

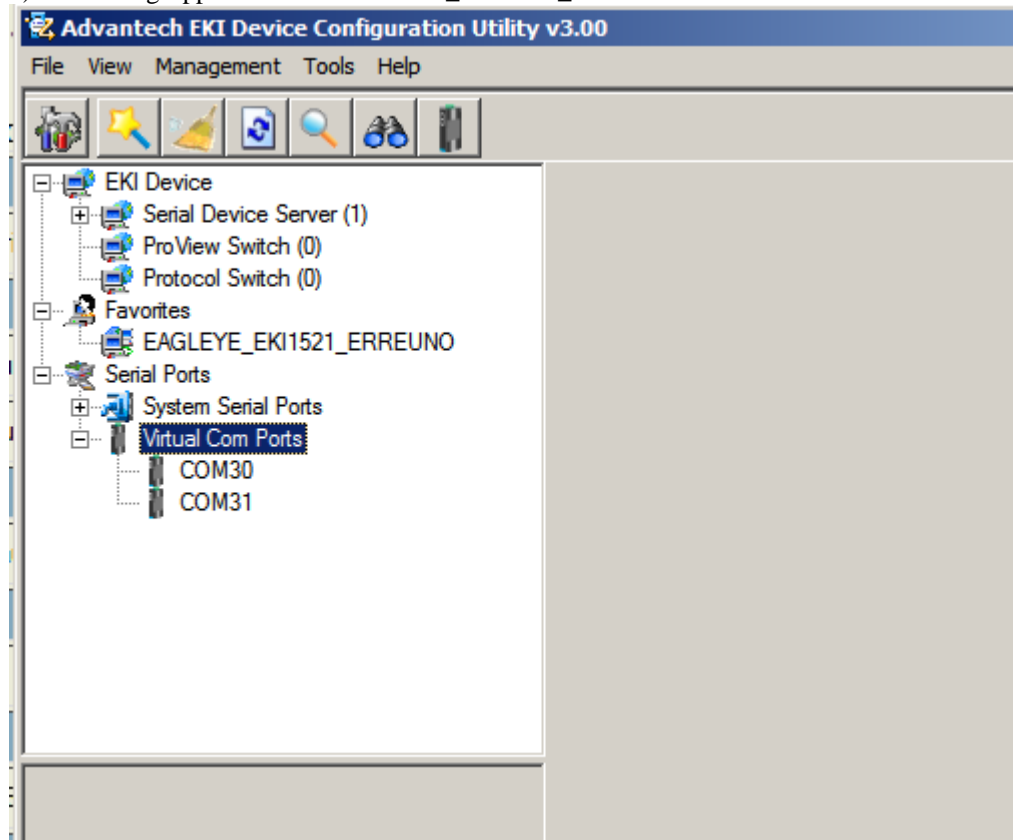
We provide following function to configure EKI-1521

System
— device name, device description, firmware message
Port Configuration
— UART Configuration : baud rate, parity bit, data bits, stop bits, serial type, flow control
— Mode Configuration : virtual COM port mode, control mode(TCP/UDP), data mode(TCP/UDP)
Network Configuration
— IP address, netmask, default gateway and MAC address
Monitor
— monitor port data
Alarm
— mail setting, trap setting, SNMP agent setting, event setting
Change Password
— change the login password
Export
— export configuration file
Import
— import configuration file
Reboot
— after configuring, you must restart the device and the setting will take affect

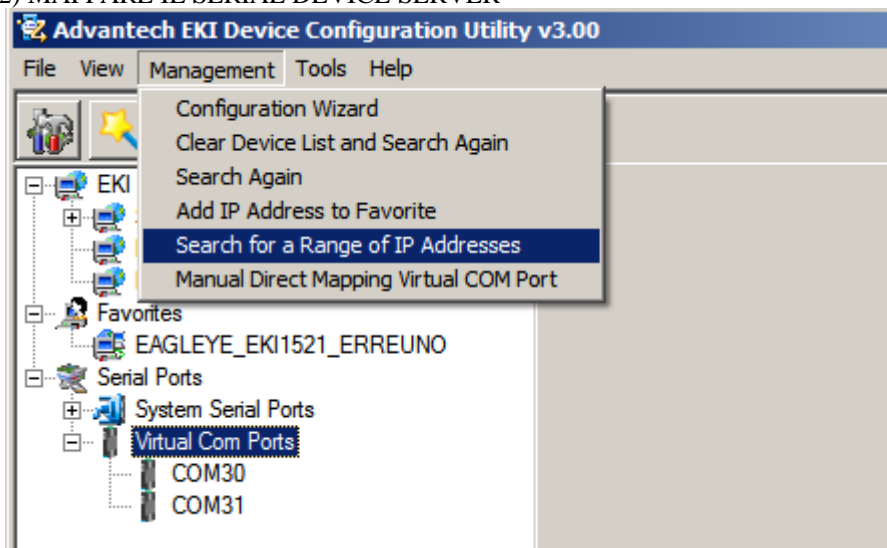
If you need additionnal information : info@advantech.com.tw
 If you wish to be contacted : sales@advantech.com.tw

Per Mappare la com virtuale sul computer invece occorre :

1) creare un gruppo : lo chiamo EAGLE_EKI1521_ERREUNO



2) MAPPARE IL SERIAL DEVICE SERVER



The screenshot displays a network configuration application. On the left, a tree view shows the following structure:

- EKI Device
 - Serial Device Server (1)
 - ProView Switch (0)
 - Protocol Switch (0)
 - Favorites
 - EAGLEYE_EKI1521_ERREUNO**
 - Serial Ports
 - System Serial Ports
 - Virtual Com Ports
 - COM30
 - COM31

A dialog box titled "Please input a valid IP range" is overlaid on the right side of the window. It contains two input fields:

Start IP Address	End IP Address
192.168.37.70	192.168.37.70

Below the input fields are "OK" and "Cancel" buttons.

Below the tree view, a toolbar contains icons for home, search, refresh, zoom, and other functions.

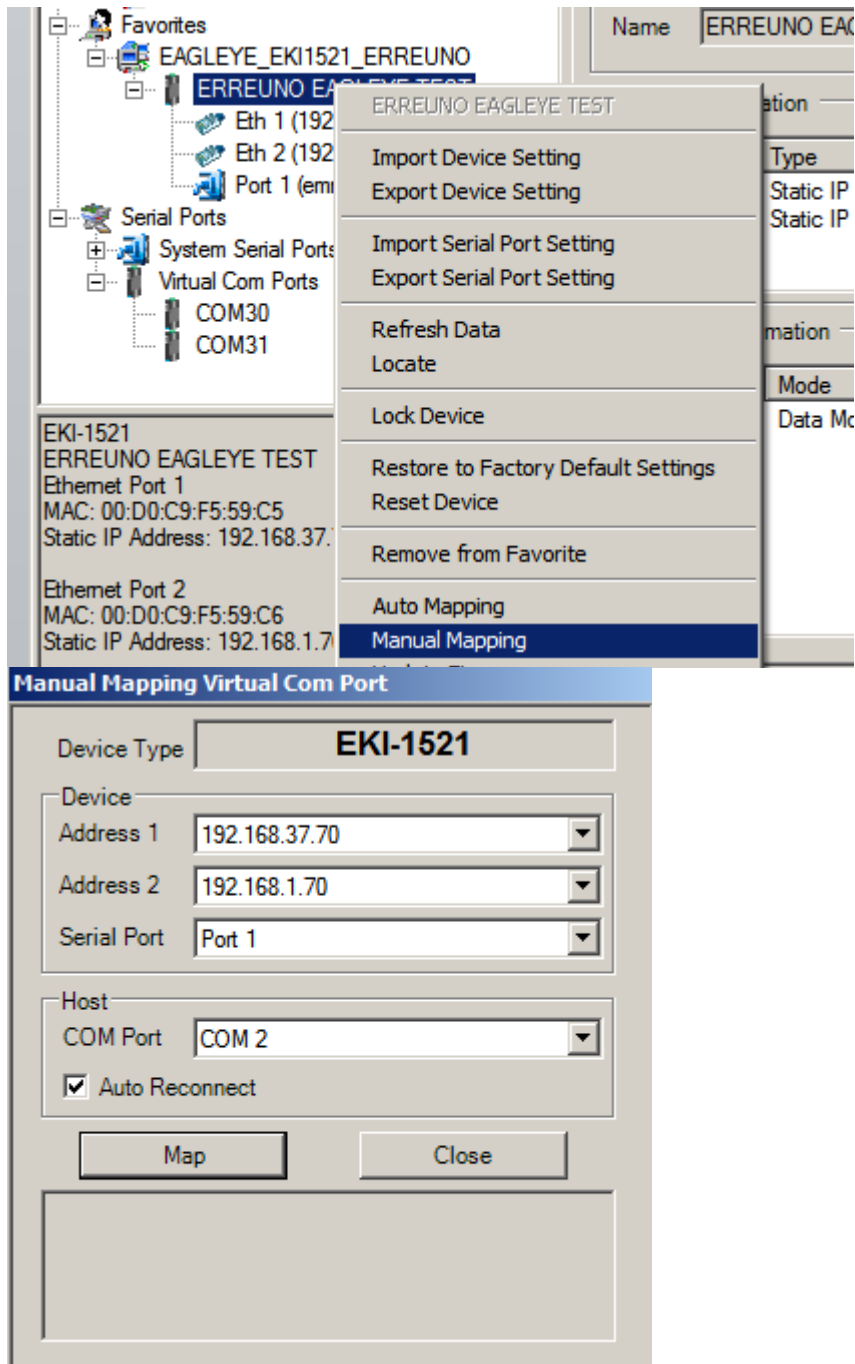
The tree view is expanded to show the configuration for "ERREUNO EAGLEYE TEST":

- EKI Device
 - Serial Device Server (1)
 - EKI-1522
 - ERREUNO-FOTOVOLTAICO
 - ProView Switch (0)
 - Protocol Switch (0)
 - Favorites
 - EAGLEYE_EKI1521_ERREUNO
 - ERREUNO EAGLEYE TEST
 - Eth 1 (192.168.37.70)
 - Eth 2 (192.168.1.70)
 - Port 1 (emmedi_1)
 - Serial Ports
 - System Serial Ports
 - Virtual Com Ports
 - COM30
 - COM31

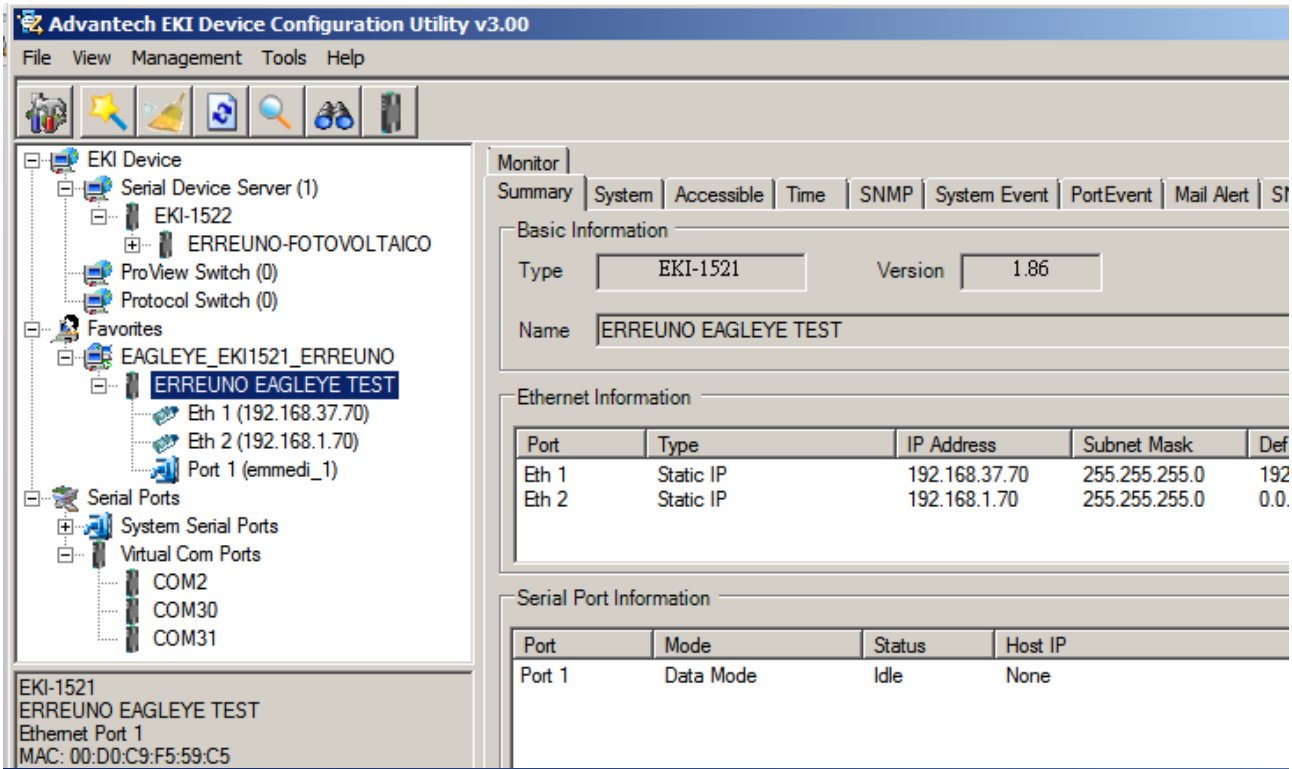
At the bottom left, a status window displays the configuration for "Serial Port 1":

```
Serial Port 1
emmedi_1
19200 bps, O81
No flow control
```

3) ORA POSSO AGIUNGERE LA VIRTUAL COM



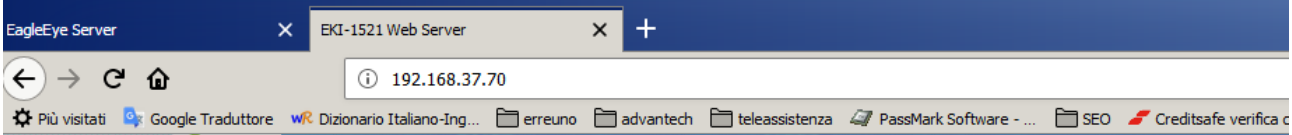
Ho mappato la com virtuale , ora posso fare il test di buon funzionamento :
nota -> la com deve essere settata in rs232 e avere il connettore loop test inserito :
serial device serve settato in virtual com



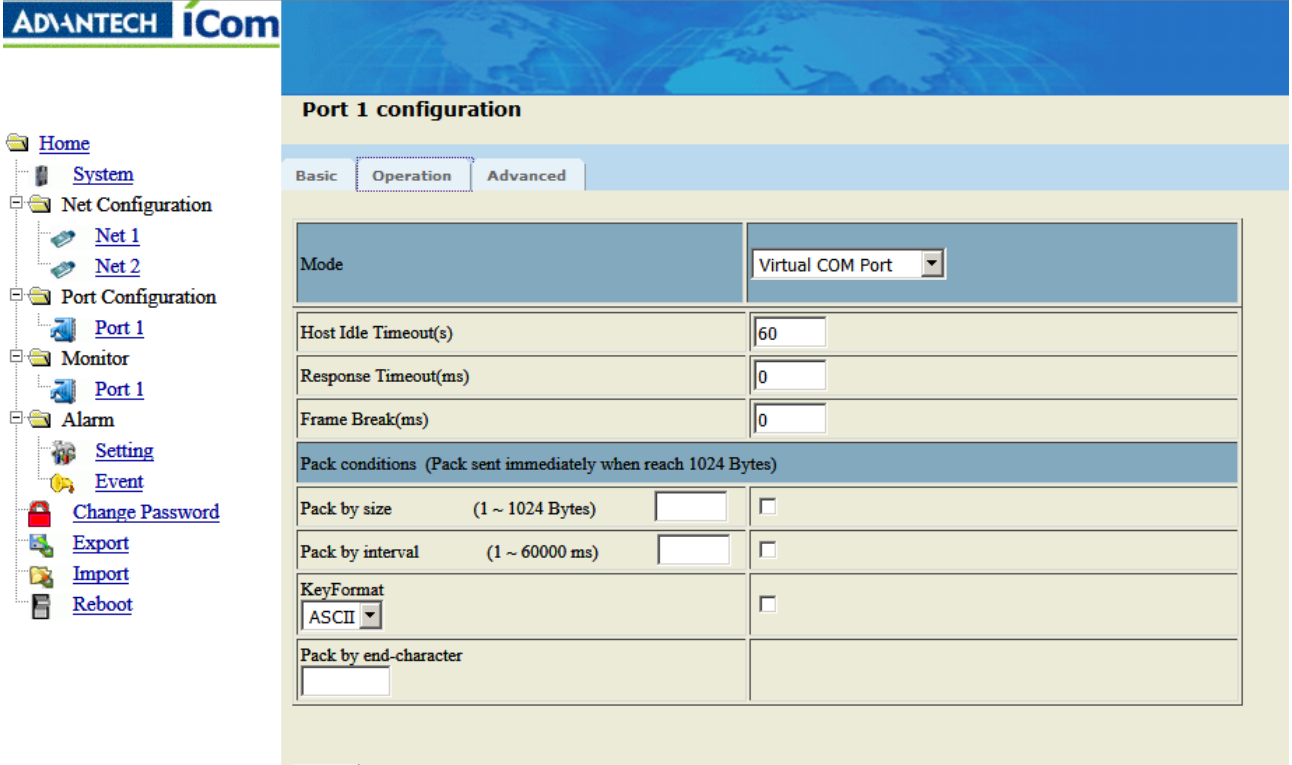
The screenshot shows the Advantech EKI Device Configuration Utility v3.00. The left sidebar displays a tree view of the device configuration, including Serial Device Server (1), EKI-1522, and various ports. The main area shows the configuration for the selected device, ERREUNO EAGLEYE TEST. The 'Monitor' tab is active, showing 'Basic Information' (Type: EKI-1521, Version: 1.86, Name: ERREUNO EAGLEYE TEST) and 'Ethernet Information' (Port, Type, IP Address, Subnet Mask, Def). The 'Serial Port Information' table shows Port 1 in Data Mode, Idle status, and None host IP.

Port	Type	IP Address	Subnet Mask	Def
Eth 1	Static IP	192.168.37.70	255.255.255.0	192
Eth 2	Static IP	192.168.1.70	255.255.255.0	0.0

Port	Mode	Status	Host IP
Port 1	Data Mode	Idle	None



The screenshot shows the EagleEye Server browser interface. The address bar displays 192.168.37.70. The browser tabs include EagleEye Server and EKI-1521 Web Server. The browser's address bar and search bar are visible, along with various browser extensions and search engines.



The screenshot shows the Port 1 configuration web interface. The 'Port 1 configuration' section is active, with the 'Operation' tab selected. The configuration includes a dropdown menu for 'Mode' set to 'Virtual COM Port', and input fields for 'Host Idle Timeout(s)' (60), 'Response Timeout(ms)' (0), and 'Frame Break(ms)' (0). The 'Pack conditions' section includes checkboxes for 'Pack by size' and 'Pack by interval'. The 'KeyFormat' is set to 'ASCII'.

Mode	Value
Mode	Virtual COM Port
Host Idle Timeout(s)	60
Response Timeout(ms)	0
Frame Break(ms)	0
Pack by size (1 ~ 1024 Bytes)	<input type="checkbox"/>
Pack by interval (1 ~ 60000 ms)	<input type="checkbox"/>
KeyFormat	ASCII
Pack by end-character	<input type="text"/>

Test seriale da utility ADVANTECH:

Advantech EKI Device Configuration Utility v3.00

File View Management Tools Help

Simple Serial Test Tool

Port COM2

```
Open COM2 success
Test Modem Lines
Test RTS/CTS failed
Testing baud rate: 50      parity: None   dataBits: 8   stopBits: 1   => Pass
Testing baud rate: 75      parity: None   dataBits: 8   stopBits: 1   => Pass
Testing baud rate: 110     parity: None   dataBits: 8   stopBits: 1   => Pass
Testing baud rate: 134     parity: None   dataBits: 8   stopBits: 1   => Pass
Testing baud rate: 150     parity: None   dataBits: 8   stopBits: 1   => Pass
```

Auto Scroll Messages Save Log Test Cancel

Oppure posso veicolare qualsiasi software dal mio PC sulla seriale virtuale , esempio burn in test .

The screenshot shows the BurnInTest V6.0 Pro interface. The main window displays test results for 'WIN-R2S3VUH9KG6'. A 'Stop BIT' dialog box is overlaid on the interface. The test results table shows 'Serial Port 2' with 0 cycles, 5500 operations, and 0 errors. A detailed view of the serial port test is also shown, listing parameters like Serial Port (COM2), Test speed (9600 bits/sec), Bytes sent (3100), Bytes received (3000), Errors (0), and Throughput (292.6 Bytes/sec).

Test Name	Cycle	Operations	Errors	Last Error Description
Serial Port 2	0	5500	0	No errors

BurnInTest - Serial Port Test	
Serial Port:	COM2
Test speed:	9600 bits/sec
Bytes sent:	3100
Bytes received:	3000
Errors:	0
Throughput:	292.6 Bytes/sec

View errors by categories