

# ABLELink<sup>®</sup>

## SE5002 Ethernet Serial Server

### Quick Start Guide



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Tel: 886-3-5508137

Fax: 886-3-5508131

<http://www.atop.com.tw>

This document intends to provide customers with brief descriptions about the product and to assist customers to get started. For detail information and operations of the product, refer to the product user's manual in the product CD.

## 1. Packaging

Check your package contains the following items:

SE5002/SE5002-S55is Serial-Ethernet Server

- ➔ Atop SE5002 /SE5002-S55is Ethernet Serial Device Server x 1
- ➔ 5 pins Terminal Block for Serial Connector x 1 (only for SE5002-S55is)
- ➔ 3 pins Terminal Block for Power Connector x 1 (only for SE5002-S55is)
- ➔ Wall-mounting screws x 2
- ➔ Atop Wireless Serial Server quick start guide x 1
- ➔ Product CD containing configuration utility x 1

Optional Accessories :

1. Power Adapter - DC Jack 12VDC,1.25A with Lock
2. Din Rail Kit DK-25

## 2 Hardware Description

**NOTE:**

1. **SE5002** (for RS-232/422/485 without isolation ), **SE5002-S55is** (for RS422/485 with isolation)
2. Press the **reset** button of SE5002 to reset to the default value, shows the interface as below.



Fig 1. SE5002 Interfaces

LED Indicators:

Fig. 1 LAN LED

Message	Description
Off	Ethernet Disconnected
Blinking with Green	Data transmitting on Ethernet at 100Mbps
Blinking with Orange	Data transmitting on Ethernet at 10Mbps

**Table 1. LAN LED Message**

Fig. 1.

Fig. 2 COM Port LED

Message	Description
Off	No data transmitting on COM port
Com 1(2)TX Blinking	Data transmitting on COM port
Com 1(2)RX Blinking	Data Receiving on COM port

**Table 2. COM Port LED Message**

Fig. 2.

Fig. 3RUN LED

Message	Description
On	Jumper JP1 Pin1 and Pin2 are shorted to disable AP firmware
Blinking (rate: 0.5 Sec)	AP firmware running normally

**Table 3. RUN LED Message**

Fig. 3.

### Installation Procedures:

**Step 1:** Connect SE5002 to power source

**Step 2:** Connect SE5002 to the Ethernet network. Use a standard straight-through Ethernet cable when connect to a hub/switch, or connect to a PC's Ethernet port via a cross-over Ethernet cable. However, Always make sure your PC is on the same network sub-net as SE5002.

**Step 3:** Connect SE5002's serial port to a serial device.

**Step 4:** Mount SE5002 to a wall/panel with the screws included or Din-Rail rack (Require optional item model: Din-Rail-Kit).

## 3 Software Setup

**Default Network Setting: Default User Name/Password:**

**IP: 10.0.50.100**

**User Name: admin**

**Gateway: 10.0.0.254**

**Password: default**

**Subnet: 255.255.0.0**

Auto IP (Dynamic IP):

A DHCP server can automatically assigns the IP address and all the network settings. SE5002 supports the DHCP client function. By default, the DHCP client function on SE5002 is disabled; you may activate the DHCP client functions by executing SerialManager (Fig. 4)



Fig. 4. SerialManager utility Dialog Window

### Assign a Static IP address by:

- A Configuration by Telnet
  1. Telnet to SE5002 using DOS command “**Telnet IP\_address**”. Example: telnet 10.0.50.100
  2. SE5002’s network, link mode and COM ports settings can be configured in the telnet window
- B Configuration by SerialManager Utility
 

Use **SerialManager** on Product CD to configure the SE5002. First click “**Configuration**” then assign a static IP.
- C. Configuration by Web Browser
  1. Make sure the PC is on the same network as SE5002
  2. Open a web browser, then Enter in the IP address as the SE5002. The default user name is **admin** and default password is **default**.
  3. The SE5002’s network, link mode and COM ports settings can be configured on different web pages.
  4. Click “**Save Configuration**” to save settings.
  5. Click “**Restart**” button to initiate the change.

## 4 Pin Assignments

The pin assignments of **DB9** connector on **SE5002** is shown in the following table:

Pin#	RS-232 Full Duplex for SE5002 Model	RS-485 2 wire, Half Duplex for SE5002 Model	RS-485/RS-422 4 wire, Full Duplex for SE5002 Model
1	DCD	N/A	N/A
2	RXD	N/A (reserved)	<b>TXD+</b>
3	TXD	<b>DATA+</b>	<b>RXD+</b>
4	DTR	N/A	N/A
5	SG (Signal Ground)	SG (Signal Ground)	SG (Signal Ground)
6	DSR	N/A	N/A
7	RTS	<b>DATA-</b>	<b>RXD-</b>
8	CTS	N/A(reserved)	<b>TXD-</b>
9	N/A	N/A	N/A

The pin assignments of **Terminal Block** connector on **SE5002-S55is** is shown in the following table:

Pin#	RS-485/RS-422 4 wire, Half Duplex For SE5002-S55is	RS-485 2 wire, Full Duplex For SE5002-S55is
1	T+	NC
2	T-	NC
3	R+	Data+
4	R-	Data-
5	SG (Signal Ground)	SG (Signal Ground)

## Customer Services and Supports

1. Contact your local dealers or Atop Technical Support Center at the following numbers.
  - +886-3-550-8137 (Atop Taiwan)
  - +86-21-6495-6232 (Atop China)
2. Report the errors via Atop’s Web site or E-mail account  
[www.atop.com.tw](http://www.atop.com.tw), [service@atop.com.tw](mailto:service@atop.com.tw)  
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