ABLELink® SE5408/SE5416

Multi-Port Serial Server with Relay Outputs

Quick Start Guide

Version 1.0, November, 2008

Overview

The SE5408/5416 family, with the 8 or 16 serial ports and two relay outputs, is designed to transfer data between serial devices and TCP/UDP devices; subsequently, the accessibility of the serial devices can be extended through the ubiquitous TCP/IP-based Ethernet. The relay outputs can be used to signal floor attendants for Ethernet link down.

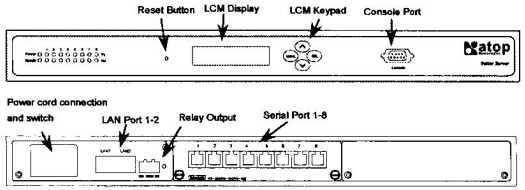
Package Included

- SE5408/16 Multi-port Serial Server
- AC power cord (US Plug or EU Plug)
- Ethernet Cross-over Cable
- RJ-45 to Male DB9 Cable (90 cm)
- Quick Start Guide
- Product CD
- RS-232/RS-422 Cross-over Cable
- RS-485 Loop-Back Cable
- Rack-mounting L type ear
- Product Warranty Card

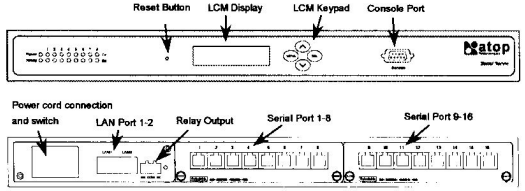
Optional Accessories

- Additional RJ-45 to Male/Female DB9 cables (90cm or 2 m) can be ordered

SE5408 Front & Rear Panels



SE5416 Front & Rear Panels



LCM Display

A two-line green LCD panel is for server status viewing and for manual setup. The LCM panel buttons are described as follows.

Buttons	Function
Menu <Menu>	Open Main Menu, or return to one level higher
<Up>	Scroll up
<Down>	Scroll down
SEL <SEL>	Accept (confirm) the selection on the LCM; When working with IP addresses, pressing <SEL> means moving to the next digit

Cable Connection

- Plug in the AC power plug to the power outlet. In one minute , the buzzer shall beep and the LCM shall display "SE5408/16"
- Connect LAN1 port to a network switch or to a PC's Ethernet port with a cross-over cable. The LCM shall then show:

  LAN1: 10.0.50.100 (default IP Address)

  (Default LAN2 IP Address is 192.168.1.1)
- Connect a serial device to one of the serial ports, and make sure a correct cable is used (pin assignment for a RS-232 device and for a RS-485 cable are different). See below for pin assignment.

LED Indicators

Name	Location/Color	Description
Power	Front Panel /Green	Steady on → Power On
Ready	Front Panel /Green	Steady on → Server Booting Up
		Blinking → Data Transmission Activity
TX/RX (1-16)	Front Panel /Green	TX blinking → Serial Port Data Sending
		RX blinking → Serial Port Data Receiving
	/Off	No Data Transmission
LAN1 LAN2	Back Panel/ Orange	Steady on → 100Mbps Transmission in Progress
	/Off	1. → 10Mbps Transmission in progress with adjacent Green LED flashing; 2. if Green LED not flash → Ethernet port is disconnected
	/Green	Blinking → Data Transmission Activity

Changing Device's IP Address with LCM

- Press **<Menu>** button until "Main Menu/1. Overview" appears
- Press **<Down>** to "Main Menu/2. Network Set"
- Press **<SEL>** to select, and "Network set/1.Lan 1" shall appear on the LCM
- Press **<Up>** or **<Down>** to select either "1. LAN1" or "2. LAN2" (Here we show only LAN1 configuration). Press **<SEL>** to confirm the selection, then "LAN 1/1. IP config" shall appear.
- Press **<SEL>** to enter "LAN1 IP Config/1. Static" then press **<SEL>** to save the selection (of LAN 1/Static IP)
- Press **<Down>** to "LAN 1 /2. IP Address" and then **<SEL>** to confirm the selection. At this point, use **<Up>/<Down>** to increase or decrease the value of the underlined digital (leftmost) in the IP field; once done, use the **<SEL>** key to move the underline indicator to the next digit and repeat the process. Press **<SEL>** after the last (least significant) digit is entered. Once the IP Address for LAN1 is entered, Press **<Menu>** to return to "LAN 1/ 2. IP address", then press **<Down>** to "LAN 1/ 3. Net mask"
- Again, use **<Up>/<Down>** and **<SEL>** to set the subnet mask. Press **<Menu>** to return to "LAN 1/ 3. Net mask", then press **<Down>** to "LAN 1/ 4. Gateway" then **<SEL>**
- Press **<Menu>** twice to return to "Save/Restart / 1. No". Press **<Down>** to go to "Save/Restart / 2. YES" and **<SEL>**. Then the LCM shall go blank for a minute and returns with your new LAN 1 IP Address, for instance, LAN 1:/10.0.195.200.

Device Configuration

There are three ways to configure the device. Please see the device's User's Manual for more configuration details.

Configuration using *SerialManager*

Install our utility program, *SerialManager*, in the Product CD and follow the steps in Appendix "Configuration Utility" in the User Manual.

Configuration using Web browser

SE5408/16 has a built-in web server that is accessible from a Web browser to configure device parameters. Open a Web browser, and type in URL with the default device's IP address as http://10.0.50.100 if your computer is connected to the device on LAN1 port. If you have changed the device IP address, please fill in your new IP address. At the prompt for username and password, please fill in username as "admin" and password as "null" (means no password), respectively.

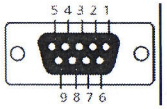
Configuration by Telnet Console

On the Windows desktop, click "Start" then "Run". If the device's default IP address is 10.0.50.100, then type "*Telnet 10.0.50.100*". At the prompt for username, type "admin" and use the default password "null" *(means no password)*. Then, the configuration main menu is shown.

Note: all COM port settings can be individually configured or automatically duplicated from one port.

Pin Assignment

9-pin D-sub Connector for RS-232/485/422

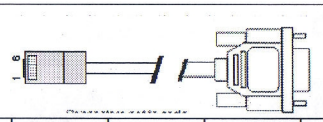


	RS232	RS485	RS422
Pin 1			
Pin 2	RXD	Data+	RX+
Pin 3	TXD		TX+
Pin 4	DTR		TX-
Pin 5	SG	SG	SG
Pin 6	DSR	Data-	RX-
Pin 7	RTS		
Pin 8	CTS		
Pin 9			

RJ-45 Connector for RS-232/485/422

		Ethernet	RS232	RS422	RS485
	Pin 1	Tx+	RTS	-	-
	Pin 2	Tx-	DTR	TX-	-
	Pin 3	Rx+	TXD	TX+	-
	Pin 4		SG	SG	SG
	Pin 5		SG	SG	SG
	Pin 6	Rx-	RXD	RX+	Data+
	Pin 7		DSR	RX-	Data-
	Pin 8		CTS	-	-

RJ-45 to Male DB-9 Cable



RTS	Pin 1	↔	Pin 7	RTS
DTR	Pin 2	↔	Pin 4	DTR
TXD	Pin 3	↔	Pin 3	TXD
SG	Pin 4	↔	Pin 5	GND
SG	Pin 5	↔		
RXD	Pin 6	↔	Pin 2	RXD
DSR	Pin 7	↔	Pin 6	DSR
CTS	Pin 8	↔	Pin 8	CTS

Customer Services and Support

Contact your local dealers or Atop Technical Support Center at the following numbers.

Tel. +886-3-5508137 (Atop Taiwan)

Tel. +86-21-6495-6232 (Atop China)

Fax. +886-3-5508131

Or report any errors via Atop's Web site or E-mail account:

http://www.atop.com.tw

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