



# **SLK-S502 -WIFI Series**

## **WIFI Serial Device Server**

### **Data Sheet**

**Version: V 1.1**

## I. Product Introduction:



The SERIALLINK SLK-S50 2- WIFI multi-functional serial server converts multiple distributed, low-speed serial devices of different standards into Ethernet for centralized management. It primarily connects to various instruments such as temperature and humidity sensors, PLC serial ports, power meter readers, and CONSOL debugging serial ports on switches and routers. The serial server supports multiple operating modes, including TCP Server, TCP Client, UDP, Modbus RTU to Modbus TCP Server, MQTT Client, etc., allowing user software to access serial devices via TCP clients with port numbers or the Telnet protocol. It also supports virtual serial ports. Each serial port supports TVS, ESD, and magnetic isolation protection. The power supply supports DC 12-28V and includes surge protection. The serial server also supports SNMP. The V1, V2, and V3 network management protocols, along with the TR069 carrier-grade remote device management protocol, enable remote restart, remote upgrade, and remote configuration distribution. SERIALLINK serial server products are widely used in: intelligent digital transportation, smart grids, supply chain automation, industrial automation, switch/router software debugging, aging testing during switch/router production, and data center environment monitoring.

### Features:

- ✓ One adaptive 10/100M Ethernet port
- ✓ One TTL/RS485 serial port, one RS232/485 serial port
- ✓ Each serial port supports 12V / 24V output (depending on the input voltage)
- ✓ Each serial port is equipped with TVS protection.
- ✓ Each serial port has ESD protection.
- ✓ RS485 supports magnetic isolation protection.
- ✓ 2-channel DI digital input, supporting active/passive input.
- ✓ 2 - way 2.4G WiFi interface, supporting speeds up to 300 Mb /s
- ✓ Multiple working modes: TCP server, TCP Client, UDP, Modbus RTU to Modbus TCP Server and other working modes
- ✓ Supports web parameter settings
- ✓ Supports DC 7-28V, can be connected via terminals or DC plug
- ✓ Operating temperature range: -30-75 °C

## II. Detailed Parameters

Project	Describe			
<b>Model</b>	SLK-S502-WIFI			
<b>CPU</b>	32-bit, 650 MHz CPU			
<b>Memory</b>	1 Gb RAM, 16 M Flash			
<b>Ethernet Interface</b>	Number of interfaces: 1			
	Speed: 10/100 Mbps, auto MDI/MDIX			
	Connector: 8-pin RJ45			
	Protect: 2.4 kV built-in			
	Default IP: 192.168.0.233			
<b>Serial Port</b>	Number of serial ports: 2			
	Connector: Terminal type interface			
	Signa: RS-232: T X D/RXD/GND TTL -5 V Serial port: TX, RX, GND RS-485-2w: A, B			
<b>Serial Port-Pin Definitions</b>	First serial port		Second serial port	
	RS 485 serial port	TTL-5V serial port	RS485 serial port	RS232 serial port
	A 1, B 1	TTL-TX, TTL-RX, GND	A 2, B2	TXD2, RXD2
	1 2 V/24 V output (depending on power input voltage)		1 2 V/24 V output (depending on power input voltage)	
	VCC-P1 and GND are shared.		VCC-P2 and GND are shared.	
<b>Serial-Port Parameters</b>	Data bits: 5, 6, 7, 8 Stop positions: 1, 1.5, 2 Check digits: None, Even, Odd, Space, Mark Flow control: RTS/CTS and DTR/DSR (RS-232 only), XON/XOFF Baud rate: 300bps to 115200 kbps			
<b>Serial-Port Protection:</b>	RS232/485 with 1.5 kV ESD protection			
	RS232/485 with TVS protection			
	RS-485 terminating resist: 120 Ω			
<b>DI</b>	2- channel DI digital input DI1, DI2, DCOM, and DVCC support both active and passive inputs; active inputs are 5-30VDC.			
<b>Software performance</b>	Work Model: TCP Server (default), TCP Client, UDP, Modbus RTU to Modbus TCP Server, The MQTT Client can be customized with other protocols.			
	Data format: RAW (data pass-through), default, Tel net protocol.			
	Configuration method: Web Configuration			
<b>Physical Parameters</b>	Materia: Iron			
	Dimensions without mounting accessories: 90 mm x 75 mm x 25.5mm			
<b>Operating Temperature</b>	Operating temperature: -30 to 75°C (-40 to 167°F)			
	Storage temperature: -40 to 75°C (-40 to 167°F)			
	Relative humidity: 5 to 95%			

<b>Power Supply</b>	<i>Supports DC 7-28V power supply Supports DC connector 5.5*2.1 plug support 2- pin 3.81mm pitch terminal plug</i>
<b>Warranty</b>	<i>2 years</i>

### III. Ordering Information

<b>Brand</b>	<b>Order Model</b>	<b>Describe</b>
SERIALLINK	SLK-S502-WIFI	<i>One RS485/TTL serial port, one RS485/RS232 serial port One 100M Ethernet port DC 7-28 V power supply</i>

*Thank you for your support of SERIALLINK products.  
you have any questions, please contact: [info@seriallink.net](mailto:info@seriallink.net) or visit [www.seriallink.cn](http://www.seriallink.cn)*