SEVR-M4 Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.

SEVR-M4

SEVR-M4 device server provides a function that converts RS-232/485/422 serial ports into TCP/IP network interfaces, enabling transparent bi-directional data transmission between RS-232/485/422 serial port sand TCP/IP network interfaces. Enables serial devices to immediately have TCP/IP network interface functionality.

Product Features

- With metal housing and multiple mounting design, suitable for industrial applications
- Wide power input (12~48VDC), suitable for different power supply methods
- Up to 4 RS232/RS485/RS422 ports for multi-serial applications
- Wide baud rate range of 300-921,600bps, suitable for inter-device applications

- Support multiple operation modes: VCOM, MCP, TCP SERVER, TCP CLIENT, UDP, Remote Pair mode, Modbus TCP SERVER, Modbus TCP CLIENT, MQTT.
- Support secondary development of software, to meet the special applications of different scenarios.
- Support for Web firmware upgrades for special applications in different scenarios
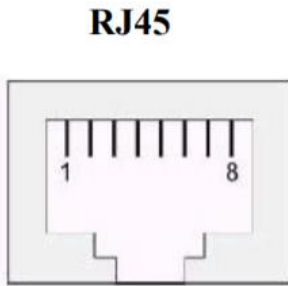
Ordering Information

Model	Signal/Port		Port Qty		Protection			Baud rate
	TCP/IP	RS-232/485/422	TCP/IP	RS-232/485/422	Power	TCP/IP	RS-232/485/422	
SEVR-M4	RJ45	RJ45	1	4	2KV	2KV	Common/differential mode 0.5KV	300-921.6K

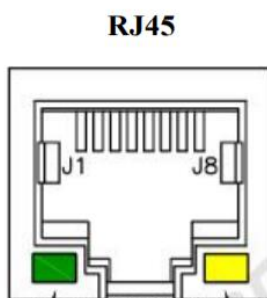| Technology	
Processor	32bit 400MHZ
Storage	128M
Ethernet interface	10/100M(Built-in 1.5KV electromagnetic isolation) auto MDI/MDI-X Ethernet interface, interface RJ45
Serial Standard	RS-232, RS-485, RS-422
Serial Connector	4×RJ45
Indicator light	Power indicator light PWR, Running indicator light RUN
Power connector	DC-005 DC socket or 3Pin 5.08 terminal for power supply, with built-in protection against reverse connection, to avoid damage to the equipment by wrong positive and negative connection
Power range	DC12~48V
Function buttons	1 factory reset button RESET
Max. power consumption	2W
Enclosure Material	Metal
Ingress Protection	IP30
Operating environment	Storage temperature: -40~85°C Operating temperature: -40~85°C Relative humidity: 5 ~95% (Non-condensation)
Dimension	161mmx91mmx37mm (L x W x H)
Weight	350g
Software	
Operating System	Based on Linux
Protocol support	ARP,IP,ICMP,UDP,TCP,HTTP,DHCP,SNMP,MQTT,MODBUS
Configuration method	Web browser, VCOM Utility (Virtual COM Only Windows)
Operating Mode	VCOM, MCP, TCP Server, TCP Client, UDP, Remote Pair Mode, Modbus TCP Server, Modbus TCP Client, MQTT
Baud rate	300-921,600bps
Data Bits	5,6,7,8
Stop Bits	1,2
Check Bits	None, Odd, Even
Flow Control	RTS/CTS,DTR/DSR,XON/XOFF（Only RS-232）
Product Certification	
EMC	55032/24
EMI	Class A
EMS	IEC61000-4-2 ESD: Contact 4kV,Air 8kV IEC61000-4-3 RS: 80MHz-1GHz 3V/m IEC61000-4-4 EFT: Power 1kV,Signal 0.5kV IEC61000-4-5 Surge: Power differential mode 1KV, common mode 2KV（8/20） 　　　　　　　Ethernet ports differential mode 1KV, common mode 2KV（10/700） 　　　　　　　RS-232/485/422 differential mode 0.5KV, common mode 1KV IEC61000-4-6 CS: 150KHz-80MHz 3V/m

Interface definitions

1.SEVR-M4 RJ45 pin definition

RJ45

RJ45	RS-232	RS-485	RS-422
1	Tx D	DATA+	Tx D+
2	Rx D	DATA+	Tx D-
3	RTS		Rx D+
4	CTS		Rx D-
5	DSR		
6	GND	GND	GND
7	STR		
8			

2.SEVR-M4 Serial Server RJ45 Network Port Pin Definition

RJ45

Green light for link
Yellow light for ACT

RJ45	EIA/TIA 568B	Definition	Description	EIA/TIA 568B
1	Orange & White	TX+	Tx D+	TX+
2	Orange	TX-	Tx D-	TX-
3	Green & White	RX+	Rx D+	RX+
4	Blue	Data+	Rx D-	Data+
5	Blue & White	Data-		Data-
6	Green	RX-	GND	RX-
7	Brown & white	Data+		Data+
8	Brown	Data-		Data-

SEVR-M4

Installation dimensions

Unit: $\dfrac{\text{inch} \pm 0.040}{[\text{mm}] \pm 1.00}$