

Serial Ethernet Converter (RS232, RS485, RS422). Industrial Panel Mount, 2 Ports
Part no. USC-HF5122



This serial to Ethernet converter is our most advanced and solid converter available of the two-port type. Not only does it have RS232 ports but it also has individual RS485 and RS422 ports. The RS232 ports are standard DB9 connector ports and the RS485 / RS422 ports has screw terminal headers for easy connection of single wires. It supports communication protocols for most applications such as CNC machines, weighing scales, laboratory equipment, printers, factory automation and most other industrial applications.

Please download the latest drivers and user guides for this product from:

www.USconverters.com

Default settings:

LAN port:

10.10.100.254

(DHCP disabled)

User: admin, Password: admin

Port: 8899

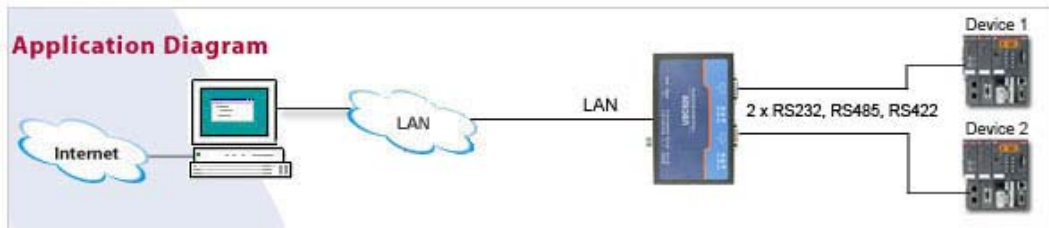
WLAN/LAN Ethernet port:

169.254.173.297(Auto IP)

Serial port:

115200bps, 8/1/none

Application Diagram



SPECIFICATIONS	
Model number	USC-HF5122
Operating system	Virtual COM software for: Windows 11 32/64-bit, Windows 10 32/64-bit, Windows 8 32/64-bit, Windows 7 32/64-bit
Processor	Wport-W20, Ralink CPU architecture: MIPS 24KEc, 320 MHz with 4MB Flash and 8MB SRAM. Running on eCos
Serial interface	
Serial RS232 driver	Sipex SP3232EEN
No. of serial ports	2 port RS-232 male DB9 2 port RS485 screw terminals 2 port RS422 screw terminals
RS-232 Signals	- TX, RX, RTS, CTS, GND - Parity: None, Odd, Even - Data bits : 7, 8 - Stop bits : 1, 2
Flow Control	RS232: Hardware (RTS/CTS), Software (XON/XOFF) RS485: Automatic Send Control, None
RS-485 Signals	Data+ , Data-, GND
Baud rates	300 - 230400 bps
Serial buffer size	Adjustable 0 to 1024 kb
Ethernet interface	
Ethernet port	RJ45, 10/100 Base-T Auto-Negotiation, 8KV isolation
Number of Ethernet ports	1
Protocols	TCP Server, TCP Client, UDP Client, UDP Server, HTTP Server/Client, DNS, DHCP, ARP, BOOTP, AutoIP, ICMP, Web socket, Telnet, uPNP, NTP, ModBus TCP
Security Protocol	TLS v1.2 AES 128Bit DES3
Security	WEP/WPAPSK/WPA2PSK
Max number of clients. This is how many computers that can access the converter simultaneously	32 clients for each port in TCP mode.
Misc.	
Parameter management	Web-browser, Telnetd, software utility (over WiFi), CLI commands (through RS232 port)
Power	5 - 36VDC (<700mW) (Center +)
Operating Temp.	-13°F to 176°F (-25°C to 80°C)
Storage Temp.	-45 ~ 105°C, 5 ~ 95% RH (no condensation)
Working Current	~200mA
Dimensions	108 x 146 x 25 mm (L x W x H)
Approvals	CE, FCC, ROHS
Warranty	1 year Limited Warranty

Included items:

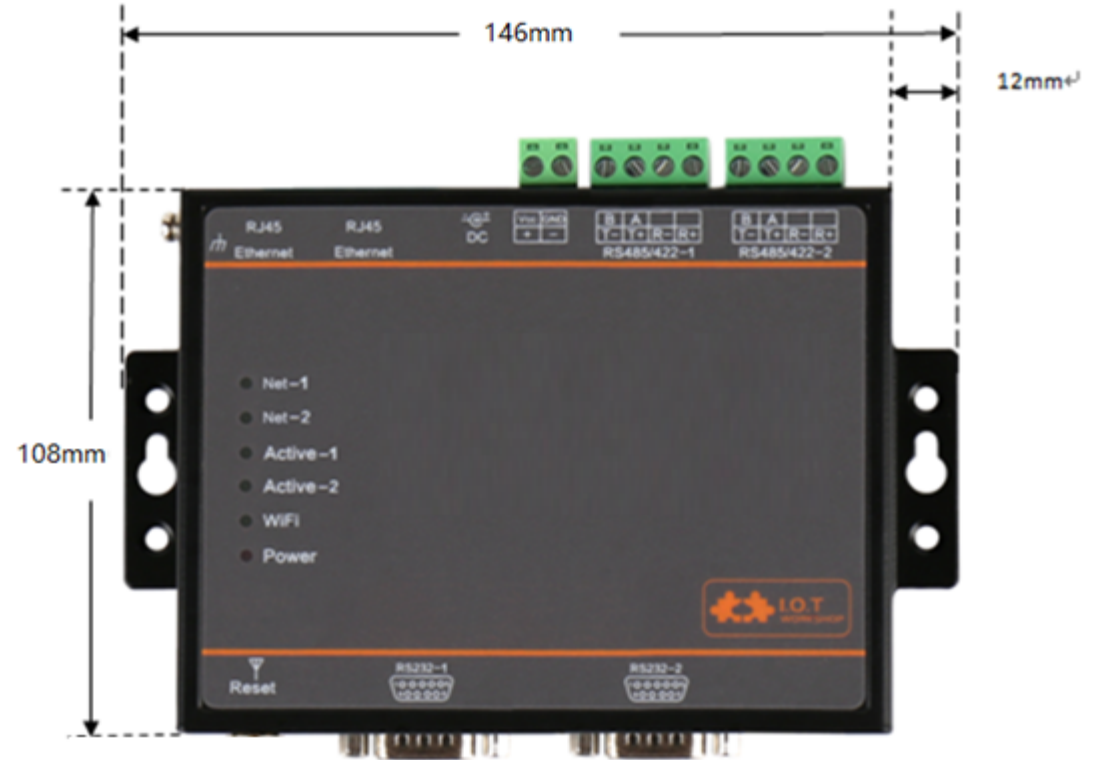
- ◆ Converter module
- ◆ DC power cable (barrel connector to stripped wires)
- ◆ 2 x Serial cable, female/female (null modem) x 1
- ◆ 1 x Ethernet cable
- ◆ 100-240VAC/12VDC 1A power supply

Indicator Lights

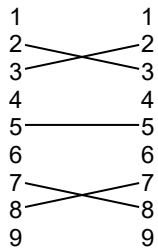
Indicator	Function	Description
Pwr	Power on	Converter has power
Link	Network link	On when network is connected
Active	TX or RX	Flash when sending or receiving data

Reset button:

The reset button is used for resetting the converter back to factory settings. Depress the reset button for more than 5 seconds, then release the button. the converter will now re-boot back to default settings.



Pin configuration (included DB9 female/female null-modem cable):



Pin configuration (DB9 connector):

Pin no.	RS232 DB9 Male
1	-
2	RX
3	TX
4	-
5	GND
6	-
7	RTS
8	CTS
9	-

To access technical support, please visit the U.S. Converters website at: www.USconverters.com
 Here you will find:

- Latest drivers and updates for download
- Technical tips
- Documentation
- Configuration support
- and much more...

Feel free to contact our technical support team at mail@usconverters.com with any issues.

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