

## ST-2707

### 10/100M to 1 port RS-232/485/422 Serial Device Server

## Datasheet

### Overview

ST-2707 series serial device server provides serial port to Ethernet port function. It converts RS-232/485/422 port to TCP/IP port, allows bidirectional data transmission between RS-232/485/422 & TCP/IP. This makes the serial device support TCP/IP function. It supports IEEE 802.3AF standard, the POE function greatly extend the communication distance of serial devices.

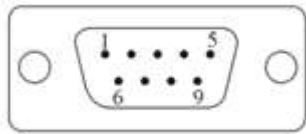
### Feature

CPU	150MHz
Memory	data buffer space each port≥60KB
Ethernet port	RJ45 10/100M (built-in 2KVElectromagnetic isolation, surge 10/700us common mode:2000V/differential mode 1000V) auto MDI/MDI-X
POE standard	supports IEEE802.3AF
Protocol	IPV6, IPV4, ICMP, UDP, TCP, HTTP, TELNET, DNS, DHCP, SNMP
System supported	Windows /XP/2003/win7/win8/win10 32/64bit
Operating mode	VCOM, TCP SERVER, TCP CLIENT, UDP, Serial Telnet Mode, Remote Pair mode, RFC 2217
Master qty	support 4 hosts simultaneous connection
Configuration	Web browser, VCOM Utility, Telnet
Serial port qty	1, DB9 connector & 3.81-4PIN terminal block
Serial port protection	RS-232/485/422 surge 10/700us common mode/differential mode 0.5KV
Baud rate	300bps to 234Kbps
Check bit	None, Odd, Even, Mark, Space
Data bit	5, 6, 7, 8
Stop bit	1, 1.5, 2

Data flow control	RTS/CTS, XON/XOFF
Power voltage	220V AC, with optional POE, surge 1.2/50us commonmode:2000V/differential mode 1000V
ESD protection:	full device contact 6KV, air contact 8KV
Operating current:	350mA@12V max
Power port	5.08mm 3Pin terminal block & DC plug
Operating temperature	-40°C ~ +85°C
Storage temperature	-40°C ~ +85°C
Relative humidity	5% ~ 95%RH, non-condensing

## Pin assignment

### ST-2707RS-232:



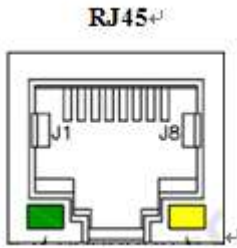
DB9 male	RS-232
1	N/C
2	RXD
3	TXD
4	N/C
5	GND
6	N/C
7	RTS
8	CTS

### ST-2707RS-485/422:



3.81 terminal block	RS-485	RS-422	Description
1	T/R+	TX+	Transmit/receive +
2	T/R-	TX-	Transmit/receive -
3		RX+	Receive +
4		RX-	Receive -

**ST-2707RJ45:**



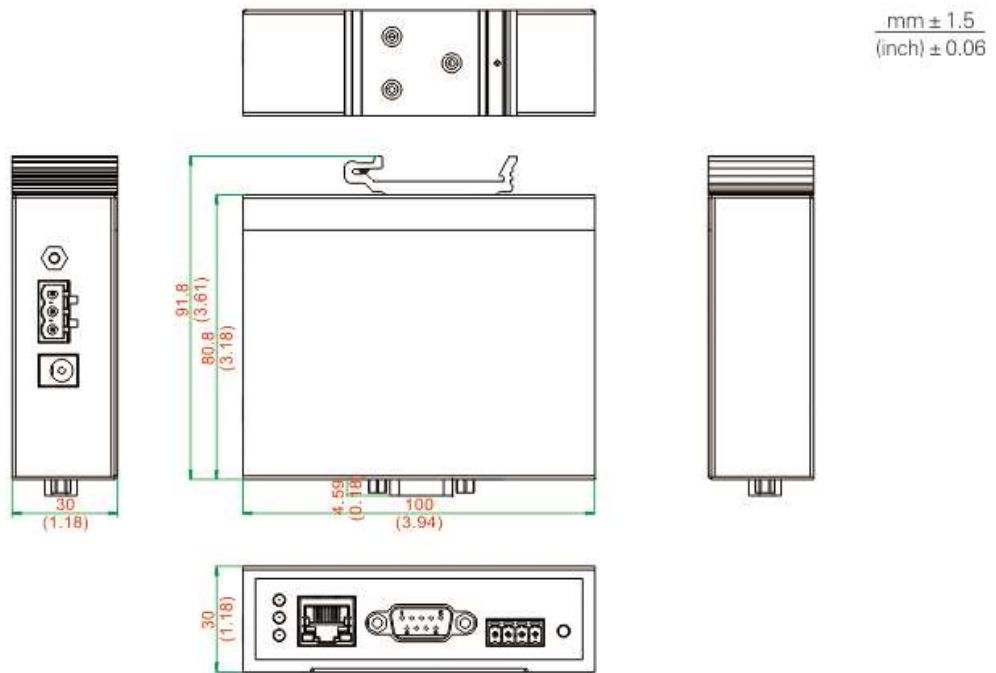
Green is Link, yellow is ACT

RJ45	EIA/TIA 568B	Definition	Description	EIA/TIA 568B
1	Orange, white	TX+	Transmit +	TX+
2	Orange	TX-	Transmit -	TX-
3	Green, white	RX+	Receive +	RX+
4	Blue	Data+	Bidirectional data +	Data+
5	Blue, white	Data-	Bidirectional data -	Data-
6	Green	RX-	Receive -	RX-
7	Brown, white	Data+	Bidirectional data +	Data+
8	brown	Data-	Bidirectional data -	Data-

**Appearance**



## Dimension



Length 100  $\pm$ 0.5mm, width 80.8 $\pm$ 0.5mm, height 30mm $\pm$ 0.5mm