



SERIAL DEVICE SERVER

Serial to Ethernet MODBUS

Product Datasheet

MPN: - AT-SR-232/485-M

INTRODUCTION

The serial device server (SDS) that can make serial device be equipped with networking capability instantly. It centrally manage's the scattered serial devices and hosts via network. Hardware adopts fan less, low power consumption, wide temperature and voltage design and has passed rigorous industrial standard tests, which can suit for the industrial scene environment with harsh requirements for EMC. It can widely use in PLC control management, Building automation System, Health Care Automation System, measuring instrument and environmental forces monitoring system.

POWER PARAMETERS

No. of Power Inputs	1
Input Voltage	VDC 9V to 36V
Input Current	80mA @24V
Reverse Voltage/ESD Protection	Yes
Short Circuit Protection	Yes
Power Isolation for RS_485	1.5 kV Galvanic
Indications	Power ON, TCP, Serial Communication, Reset

ENVIRONMENTAL LIMITS

Operating Temperature	10°C to 65°C
Storage Temperature	0°C to 85°C
Ambient Relative Humidity	5 to 95% (non-condensing)
Certifications	ROHS

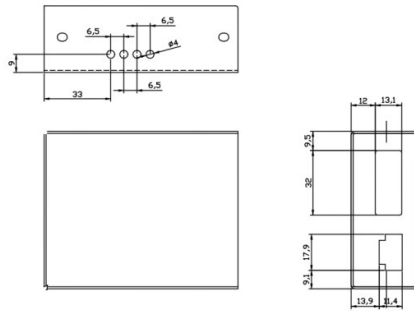
ETHERNET SPECIFICATION

Network Protocols	TCP, HTTP, DHCP, DNS, UDP, ARP
10/100BaseT(X) Ports (RJ45 connector)	1
Interface	RJ-45 Female
Magnetic Isolation Protection	1.5 kV (built-in)
Full Duplex Mode	Support IEEE 802.3x flow control
Half Duplex Mode	Support CSMA/CD Protocol

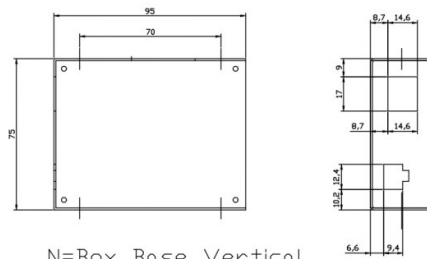
SERIAL SPECIFICATION

Configuration Tool	WEB Configuration Management
Serial Standards	RS-232/RS-485
MODBUS Support	Yes
Baud Rate	Custom (Default 115200)
Parity	None, Even, Odd
Data Bits	8, 9 bit(including parity)
Stop Bits	1, 2
Serial Signal	RS-232: TxD, RxD, RTS, CTS, GND & RS-485: 2W D+, D-,GND
Pull High/Low Resistor for RS-485	10 kilo-ohms fixed value
Terminating Resistor for RS-485	120 ohm
RS-485 Data Direction Control	ADDC (Automatic Data Direction Control)
Galvanic Isolation	2.5 kV
Reverse Voltage/ESD Protection for RS_485	Yes
Warranty	1 Year

MECHANICAL DIMENSIONS



Vertical Box Cover



N=Box Base Vertical

TIME OUT SETTINGS		
Baud Rate	Number of Masters	Serial Timeout
2400	1	1000
2400	2 & 3	2000
9600	1 to 3	800
9600	Up to 6	800
19200	1, 2	400
19200	Up to 7	400
115200	Up to 7	400

Default: server timeout 1000 Ms and serial timeout 400 Msec.

Note 1: When BR increases the serial Timeout Decreases.

Note 2: When the register quantity increase the serial timeout also increases (depends on your slave response timing).

Note 3: When you increase no. of masters, also increase the response timeout of master.

ORDERING INFORMATION	
MPN	Description
AT-SR-232/485-M	Single Port Serial Device Server with MODBUS

AVYANNA TECH PVT. LTD.

301, 3rd floor, Span House, Opp. Arogya Diagnostic Clinic, Near Moze College of Engineering, Balewadi, Pune- 411045, Maharashtra, India

Mob: 9881196976/8484048963

| info@avyannatech.com

| www.avyannatech.com