

Document Name : Technical Specifications of 8 port RS485 Hub, Model SC08S8



The RS485 Hub transforms RS485 bus into star topology making RS485 a dependable network. Each RS485 Hub Port is Isolated from the other and support upto 5Km run of multidropped RS485 devices. Additionally, the Hub ports are Optically Isolated, Short Circuit, Surge & ESD protected rendering ruggedness to your network. In case if there is a cable fault or a RS485 device failure or a shorting in the network, the problem is restricted to only that ports of the Hub. Connect with ease as many as 256 RS485 device

without bothering too much about the distance, number of Multidrops and cabling hassles

Specifications

8 Input Ports	: RS485
1 Common Port	: RS232 or RS485 selectable
Connectors	: Screw Type Terminal block. 5 Pin for Common & 3 Pine for Input ports
Cables	: Twisted or Shielded Twisted pair
Baud Rate	: 300 to 115 kbps. Auto Baud rate
Distance	: 0 to 5Km @ 115kbps to 300 bps
Multidrops	: 64 devices per port
Auto Direction Control	: Yes. For RS485
Operating mode	: Asynchronous Half Duplex
Isolation	: 2.5 KV RMS Optical Isolation between each port.
Protection	: Surge Protection upto 1500W / 8/20 μ s 3,000A lightning surge protection : RS485 Short Circuit protection. Each port Isolated from the other i.e in case of Short circuit etc in any port, other ports would keep operating safely : 15KV ESD Protection
LED Indicators	: Power, Common TX, RX for all ports and separate Error Led for each port
Power Supply	: Dual Power Input : 230V AC Internal SMPS, Range 100 to 240V AC and 230V AC External Adapter, 12V DC, 1A output
Power Consumption	: 1W
Dimensions	: 31 (H) x 140 (D) x 210 (W) without clamp : 31 (H) x 140 (D) x 250 (W) with clamp 90mm X 69mm X 23mm
Weight	: Appx. 1Kg
Working environment	: Temp -40 to 85°C : Relative humidity 5% to 95%

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Model Code : SC08S8 A C X

Type of Input Ports : A : RS485

Type of Common Port: C : RS232/RS485

Power Supply : X : 230V AC Built In + Provision for 230V AC external Adapter

Application Diagram

