



4 PORT RS485 ISOLATED HUB

MODEL DDSH S



DATA BRIDGE
D Y N A M I C

- 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 1.2KM 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 ANY 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

4 Input Ports	RS485 / RS422
1 Common Port	RS232/485
Connectors	Screw Type Terminal block. 5 Pin for Common & 3 Pins for Input Ports
Cables	Twisted or Shielded Twisted pair
Baud Rate	300 to 115 kbps. Auto Baud rate
Distance	0 to 1.2 Km @ 115kbps to 300 bps
Multidrops	64 devices per port
Auto Direction Control	Yes. For RS485
Operating mode	Asynchronous Half Duplex
Protection	2.5 KV RMS Optical Isolation between each port Protection Surge Protection upto 1500W / 8/20μs 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 5KV ESD Protection
LED Indicators	Power, TX, RX common for all port Error LED for each port
Dimensions	31 (H) x 140 (D) x 210 (W) without clamp 31 (H) x 140 (D) x 230(w) with clamp
Weight	Appx. 1Kg
Working environment	Temp -40 to 85°C Relative humidity 5% to 95%

Power Supply

Dual Power Input: 230V AC Internal SMPS,
Range 100 to 240V AC or
230V AC External Adapter, 12V DC, 1A output

Power Consumption

1Watt

ORDERING CODE

DDSH 4 S

DDSH

Base Model

4

4 * Serial Input Ports

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Fixed

APPLICATION DIAGRAM

