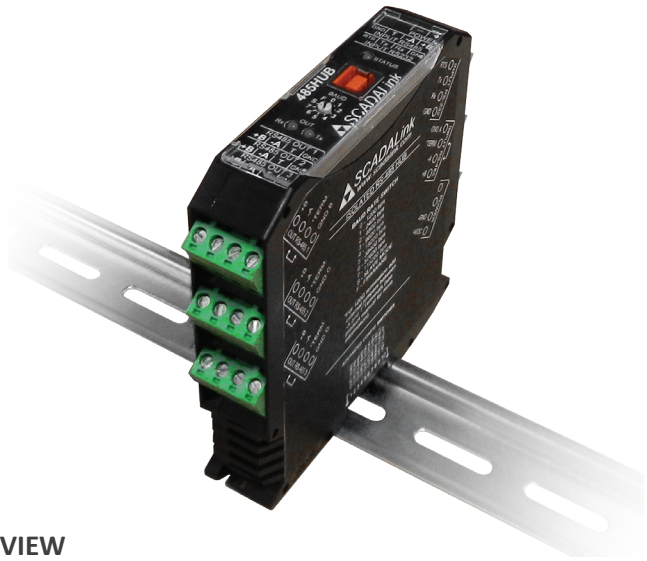
BENTEK SYSTEMS
SCADA & Telemetry Solutions

SCADALink 485HUB

Isolated 3 Port RS485 Hub, Industrial DIN-Rail Mounted



FEATURES

- Industrial RS-232/RS-485 to Isolated 3 Port 2 Wire RS-485 HUB
- USB Input Port – USB Override
- Terminal Block Field Connections
- DIN Rail Mount
- Class 1 Div 2 Certification

APPLICATION

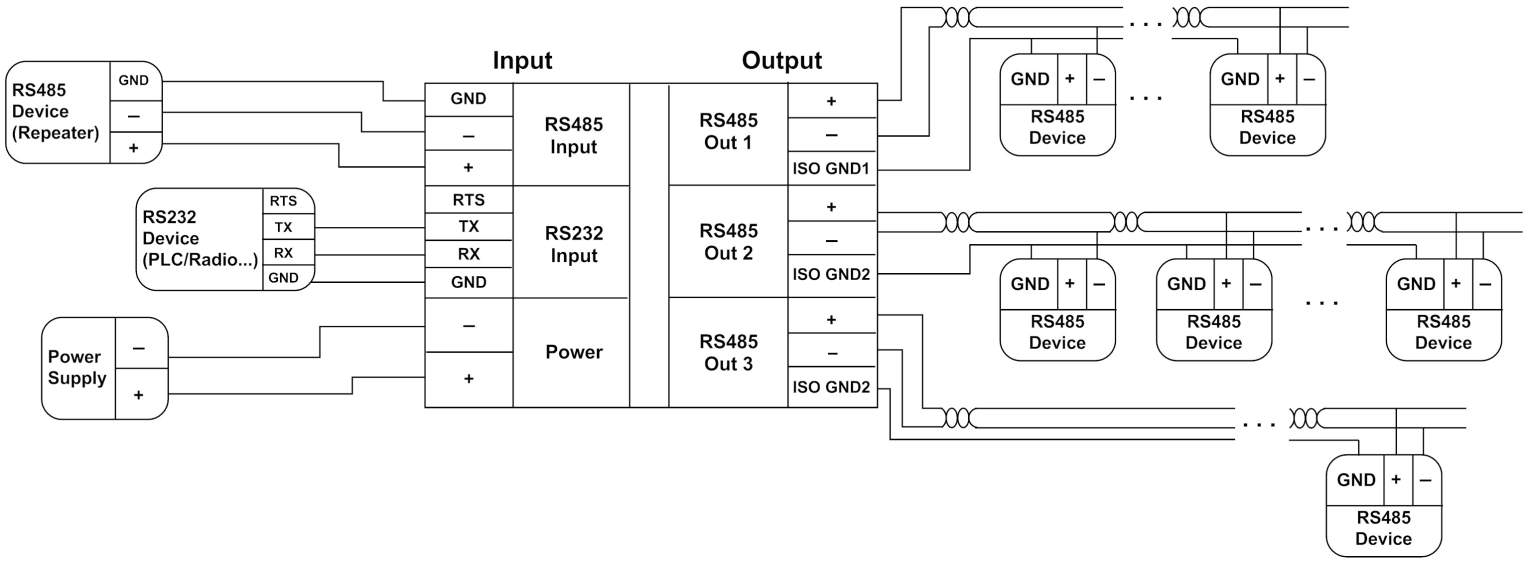
- Connectivity for Long Multidrop RS485 Runs
- Multidrop EFM and Smart Instrument Connectivity
- Wellsite SCADA Installations
- Multi-Well Pad Instrumentation
- Plant Instrumentation
- Electrical Isolation/Protection

OVERVIEW

The SCADALink 485HUB is designed for connecting RS485 field devices in rugged industrial applications. The DIN Rail mounted 485HUB features RS232/RS485 input and 3 isolated RS485 output ports. The 485HUB features low power operation, wide voltage operation range (10-30 VDC) and Class I Div 2 rating.
The RS485HUB has RS232 and RS485 input (only use one) allowing direct connection from PLC, RTU, Computers, Ethernet to Serial Terminal Servers and Modems to field RS485 instruments.

The 485HUB has a RS485 center bus that allows multiple 485HUBs to be bussed together to expand the hub from 3 to 6, & 9 ports.

RS485 STAR WIRING NETWORK TOPOLOGY



SCADA LINK

#315 - 3750 46th Ave. S.E. Calgary, Alberta Canada. T2B 0L1
Ph: (403) 243-5135 Fax: (403) 243-5165
www.scadalink.com

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SPECIFICATIONS

General

Mounting	35mm DIN-rail
Dimensions	107m(L) x 23mm(W) x 116mm(H)

Interface

Input (COM1)

RS-232:	RTS (optional), TX, RX, GND
RS-485:	+, - , GND
USB:	Standard USB B-Type (Drivers)

Output (COM2)

3 Isolated Rs-485 Ports:	Tx, Rx, GND, RTS (Screw Terminals)

Electrical

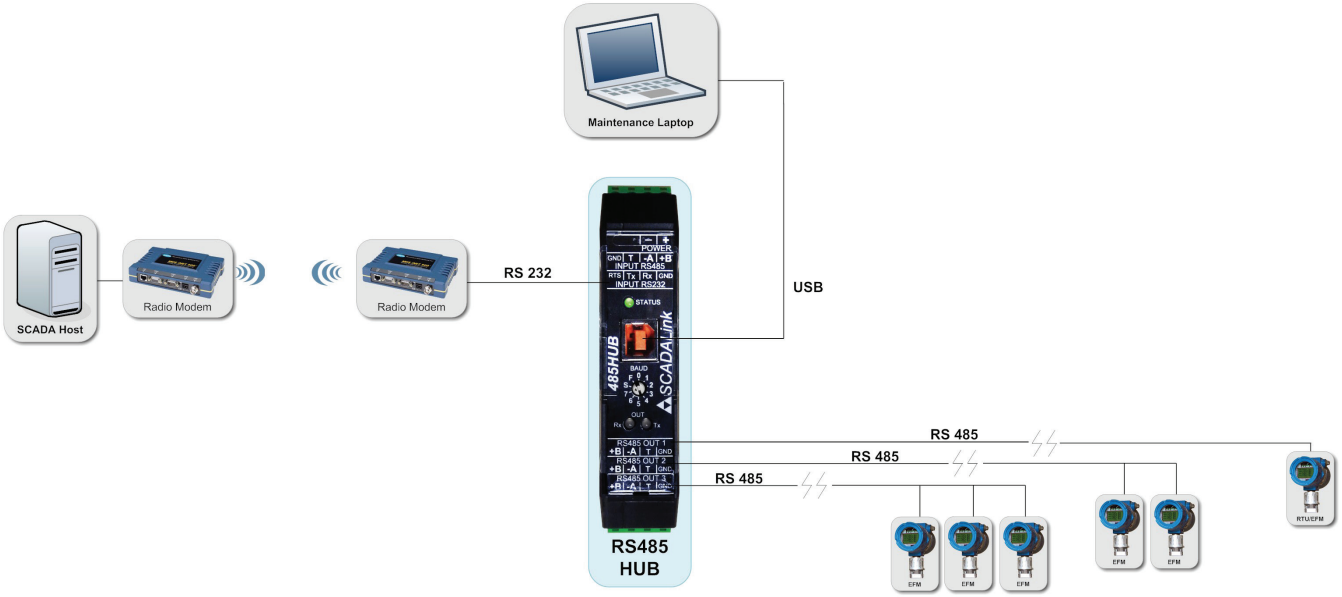
Input Power	10 to 30 VDC, 200mA Max, 1W Avg.
Baud Rate	1200 – 115,200 (Selectable)
Termination	120 Ohms (Selectable)
Isolation	>2000V

Environmental

Temperature	-40 to 70C
Certification	Class I Div 2, Group C, D T3C Suitable for Use in Class 1 Zone 2, IIB T3C

EASY WIRING

Each of the 3 RS485 Hub Ports are terminated on its own individual removable connector. RS485 field wiring may be connected directly to the removable connectors. Individual RS485 connectors can be easily disconnected to isolate and troubleshoot a specific connection. A USB maintenance port, when connected overrides the input port, allowing easy troubleshooting.



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