

E1-RS232/RS422/RS485 Converter



PRODUCT OVERVIEW: - E1-RS232/RS422/RS485 CONVERTER This interface converter is based on FPGA, providing 1Channel E1-RS232/RS422/RS485 transmission on E1 interface. The product breaks through contradictions between traditional serial interface communication distance and communication rate, besides, it also can solve electromagnetic interference, ground ring interference and lightning damage. The device greatly improves reliability, security and confidentiality of data communication. It is widely used for various industrial control, process control and traffic control occasions, especially for Bank, and Power and other sectors and systems which have special requirements of electromagnetic interference environment. E1-RS232/RS422/RS485 channel can transmit adaptable serial data asynchronously 115.2Kbps baud rate.

FEATURES:-

- Based on self -copyright IC
- Support 3 interfaces E1-RS232,RS422,RS485, you can only use one, cannot use the three interfaces at the same time
- Can automatically detect and control RS-485 data flow without handshake signals to control the flow direction of data
- Have the ability to automatically detect the baud rate of serial port signal
- Automatically test the reason of the device matt is that the device is power off, or

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- E1 line is broken. And then indicate on the LED
- Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance;
- Support SNMP Network Management
- Serial channel can transmit adaptable serial data asynchronously 300 Kbps-
- 921.6Kbps baud rate
- Serial data multiplexing in E1 support ITU-T R.111 jumping coding mode
- Serial port interface lightning-protection reached IEC61000-4-5 (8/20μS)
DM(Differential Mode): 6KV, Impedance (2 Ohm), CM(Common Mode): 6KV,
Impedance (2 Ohm) standard

PARAMETERS:-

◆ E1 interface

Interface Standard	Comply with protocol G.703;
Interface Rate	2048Kbps $\pm$ 50ppm;
Interface Cod	HDB3:
Impedance	75Ω (unbalance), 120Ω (balance);
Jitter tolerance	In accord with protocol G.742 and G.823
Allowed Attenuation	0~6dBm

◆ Serial interface

EIA/TIA-232 RS-232 (ITU-T V.28)

EIA/TIA-422 RS-422 (ITU-T V.11)

EIA/TIA-485 RS-485 (ISO/IEC8284)

◆ Serial Interface

◆ RS-422: TXD+, TXD-, RXD+, RXD-, Signal Ground

◆ RS-485 4 wires: TXD+, TXD-, RXD+, RXD-, Signal Ground

◆ RS-485 2 wires: Data+(Correspond TX+), Data- (Correspond TX-) , Signal Ground

RS-232: RXD, TXD, Signal Ground

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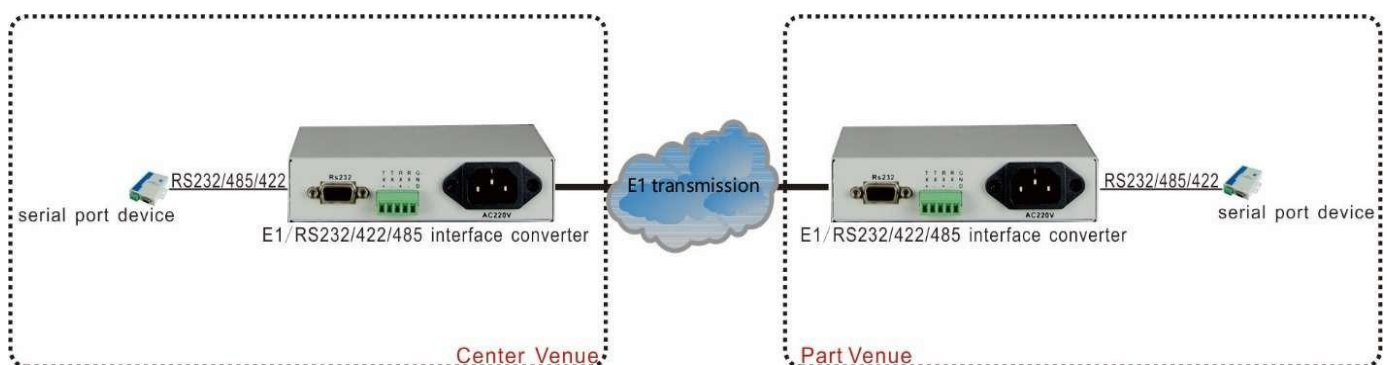
◆ Working environment

Working Temperature	-10°C ~ 50°C
Working Humidity	5%~95 % (no condensation)
Storage Temperature	-40°C~80°C
Storage Humidity	5%~95 % (no condensation)

SPECIFICATIONS:-

Model	Model Number: E1-RS232/RS422/RS485
Functional Description	E1-RS232/422/485 Converter , provides three interfaces, Used in pairs , Serial port rate up to 115.2Kbps
Port Description	One E1 interfaces, 1 data interfaces (RS232 / RS422 / RS485)
Power	Power supply: AC180V ~ 260V; DC -48V; DC +24V Power consumption: ≤10W
Dimension	Product Size: 216X140X31mm (WDXH)
Weight	1.3KG/piece

APPLICATION:-



ORDERING INFORMATION: -

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