

E1 to RS232/RS485/RS422 PROTOCOL CONVERTER

Model: PC-E1-RS Serial



Figure 1: product figure

Functions

E1 to RS232/RS485/RS422 converter provides conversion between ITU-T G.703 standard E1 interface and RS232/RS485/RS422 port and provides safe and seamless connection of communication between different devices with different interfaces. Data interface mode is DCE, can connect with DTE or DCE device. RS232/RS485/RS422 channel can transmit RS232/RS485/RS422 asynchronous serial signal with auto-adapt baud rate of 0 to 115200.

Features

1. Based on self copyright IC
2. Supports 3 wire RS232 (TXD, RXD, GND) and supports flow control CD, DSR, CTS
3. Provides 2 kinds loop back: E1 local loop, RS232/RS485/RS422 local loop
4. Having pseudo random code test function, can used as a 2M Protocol Analyzer
5. Supports both 120Ω/balance and 75Ω/unbalance impedance
6. RS232/RS485/RS422 supports hot plug, can connect with DTE or DCE
7. RS232/RS485/RS422 channel can transmit RS232/RS485/RS422 asynchronous serial signal with auto-adapt baud rate of 0 to 115200

Technical Parameter

E1 interface	
Standard	Conform to G.703 standard.
Coding	HDB3
Impedance	75Ω (unbalance), 120Ω (balance)
Connector	BNC (75Ω), RJ45 (120Ω)
Jitter Performance	According to G.742 and G.823
Clock	Internal clock, line clock
RS232 interface	
Rate	Asynchronous, 0 to 57600 bps auto-adapt
Interface	Conform to ITU-T V.24 V.11
Connector	DB9
Connect mode	DCE
RS485/422 interface	
Rate	Asynchronous, 0 to 57600 bps auto-adapt
Interface	Conform to ITU-T V.24 V.11
Connector	DB9
Connect mode	DCE
Dimension	
Desktop type	210(W) x 140 (L) x 30(H) mm
Operation environment	
Voltage	AC180V-260V, DC-48V, DC+24V
Power Consumption	≤5W
Work temperature:	0°C~50°C
Storage temperature	-40°C~+70°C
Relative humidity	95%
No causticity and solvent, dust free, and no strong magnetic interference	

Operation environment

MODEL	Product description
PC-E1-RS232-AC	1E1 120ohm to 1 port RS232, AC power supply
PC-E1-RS232-DC	1E1 120ohm to 1 port RS232, DC power supply
PC-E1-RS-AC	1E1 120ohm to 1 port RS232/RS485/RS422, AC power supply
PC-E1-RS-DC	1E1 120ohm to 1 port RS232/RS485/RS422, DC power supply

Due to continuous improvement, all products specifications are subject to change without further notice.
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