



Smart Architecture of Espadana

Designing, Production, Customization and Consultant Service
in Network and Fiber Optic System



Technical Specification

SAE-IN-2bD-T_R

Industrial Rail Type 2 channel RS232/422/485





Product Description

- Provide 2-channel serial port, each serial port also provides three serial ports RS232/422/485
- provide network management SNMP
- Serial interface lightning protection to IEC61000-4-5 (10/700 μ S). Differential mode: 6KV, impedance (2 Ω); Common mode: 6KV, impedance (2 Ω);
- Serial channel can transmit asynchronous, baud rate from 300-115.2Kbps adaptive serial data
- Power supply range : 9-55V AC and DC input,
- support internal isolation, redundant dual power input,
- Compatible with industrial four-level electromagnetic requirements
- Reduce repair time over Fanless efficient heat dissipation
- support IP40 enclosure protection level,
- Installation mode: DIN rail or wall mount
- temperature type: -40 ° C ~ +85 ° C

This SAE-IN-2bD-T_R device adopts scale FPGA design, using the original technology. providing 2-channel serial port, each port supports RS232/422/485 three business interfaces. The device is the best choice of connecting a remote terminal unit (RTU) to a host (HOST) or a distributed data acquisition system (SCADA) controller with high cost performance. Effective transmission distance up to 0-120KM, serial port communication speed up to 0-115.2KBPS. It support IP40 enclosure protection level ,DIN rail mounting, AC & DC (9~55V) wide power input, power supply redundancy and isolation protection. It can work normally in very cold environment to very hot from -40°Cto +85°C. The product is planned in a way to have better resistance against corrosion and electromagnetic interference. Power input also made a suitable and reliable types of power, to get more powerful suitability to environment.

this product able to meet the requirements of various industrial sites, providing convenient fiber optic communication solutions.



Applications

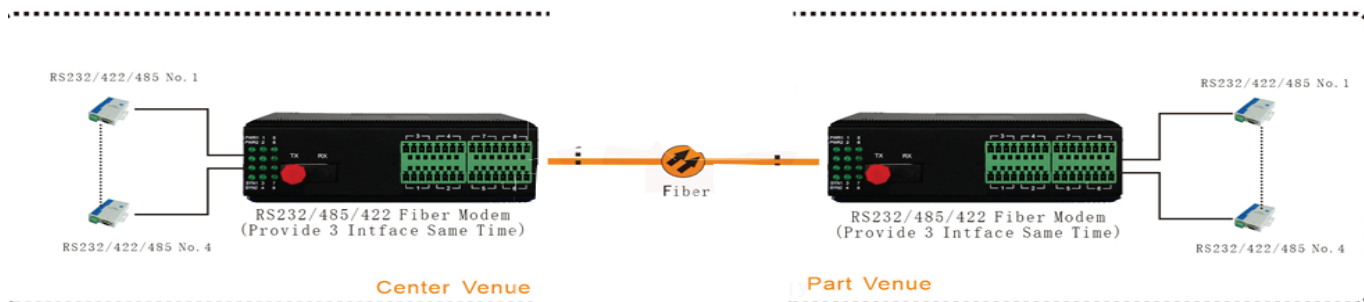
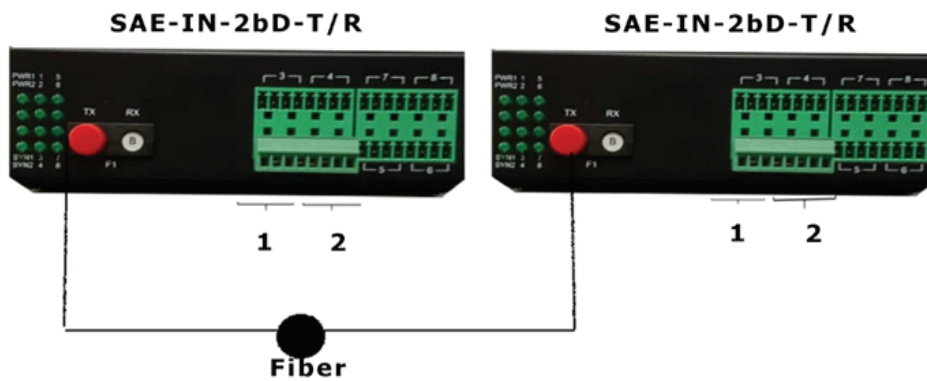
- Access points wireless systems and transmission data
- control and manage field devices found in industrial environments
- Monitoring TV medical and management
- School, campus, and... monitoring and remote control

Technical Specification

Product	Industrial Rail Type 2 channel RS232/422/485
Product Model	SAE-IN-2bD-T_R
Fiber Optic Interface	
Optical port/ Optical fiber	1/ single fiber
Fiber Interface	FC/SC/ST/LC (SFP)
Wavelength	850nm/1310nm multimode; 1310nm/1550nm single mode
transmission distance	20~120Km
Typical transmit power	Single mode 1310/1550nm: ≥ -9 dBm Multimode 850nm: -18dBm Multimode 1310nm: -25dBm
sensitivity range	-28dBm~- 40dBm
Serial port	
Protocols and Standards	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)
Physical interface	RS-422: TxD+ TxD- RxD+ RxD- RS-485 4 wires: TxD+ TxD- RxD+ RxD- RS-485 2 wires: A(TX+) B(TX-) Signal Ground RS-232: RXD TXD Signal Ground
Power & Electrical feature	
input	Redundant dual power input: AC & DC9-48V power consumption
Overload protection	SUpport
Access terminal	4*5.08mm pitch plug-in terminal
Shell	IP40 protection grade, aluminum alloy



product Application Display



Technical Specification of:

SAE- SAE-IN-2bD-T_R