RS232/RS422 /RS485 to fiber converter

Model name:AZ-OP-RS232
AZ-OP-RS485
AZ-OP-RS232/RS485/RS422

Functions:

RS232/RS485/RS422 to fiber converter realizes transmission of one channel RS232/RS485/RS422 on fiber. This product has solved the problem of contradiction between communication distance and communication rate of RS485 port. At the same time, it also has solved the problem of electromagnetic interference, earth link disturbance and thunder/lightning destruction, thus greatly enhancing reliability, security and privacy of data communication. It can be widely used in various kinds of situations such as industrial control, process control and transportation control, and especially suited in bank, electric power as well as departments and systems which have special request to the electromagnetic interference environment.

Features:

Based on self copyright IC.

Serial date creates receive and send signal automatically.

RS232/RS485/RS422 interface can be optional by dip switch.

Serial port supports 0-500KBps baud rate auto-negotiation.

Combination of PDH technology and digital lock loop clock technology.

Unique serial port for circuit protection, supporting hot-plugging.

Data transmission is stable and reliable with integrated light-receiving and transmitting module. Complete surface paste and install craft, industrial grade design, and production-runs with piece-pasting machine.

Support chassis installation and can be compliance with our AZ-CH05

Parameter and Specifications:

Optical interface

Wavelength：single-mode 1310nm/1550nm/multi-mode 850nm/1310nm for option

Fiber core number: double core/single core for option

Sending consumption：-9dBm/-5dBm

Transmitting range: 0-50km/120km for option

Receiving sensitivity： <-36dBm (BER <10^{-11}) Connector：SC/FC/ST

RS232/RS485/RS422 port Rate：asynchronous mode：0－500Kbps auto-negotiation

Characteristic： satisfies ITU-T V.24 V.11 standard

Connector： RJ45

Environment:

The device operate temperature range wide, can work normally and stable in different environments. Operate temperature: 0℃~50℃

Relative humidity: 95% (no condensation)

No causticity and impregnant gas, no rising dust, and no strong magnetic field disturbing.

Power supply:

Use module power supply as following for option, working voltage range wide, good anti-disturb and isolation, work stable.
DC-48V: voltage range -36V~-72V AC220V: voltage range 175V~265V power consumption <5w

Dimension as standalone version: 85（W）×121（D）×27（H）mm

Order information:

AZ-OP-RS232   RS232 fiber modem, AC220V AZ-OP-RS232   RS232 fiber modem,DC-48V
AZ-OP-RS485   RS485 fiber modem,AC220V AZ-OP-RS485   RS485 fiber modem,DC-48V
AZ-OP-RS422   RS422 fiber modem,AC220V AZ-OP-RS422   RS422 fiber modem,DC-48V
AZ-OP-RS232/RS485/RS422   RS232/RS485/RS422 fiber modem,AC220V
AZ-OP-RS232/RS485/RS422   RS232/RS485/RS422 fiber modem,DC-48V