EZSync2127

EZSync RS-232 to RS-485/RS-422 Passive Opto-Isolated Interface Serial Converter
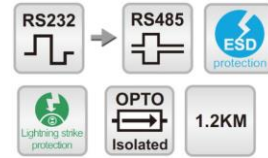
Features

- Plug-and-Play (Device is Hot-pluggable). No Drivers Needed.
- Built-in 600W Surge and 15KV Static Protection. 2.5KVac isolation.
- This converter operates from 300 to 115,200 bps.
- Overall dimensions: 61 mm x 41 mm x 21 mm

The EZsync2127 is a high quality industrial-grade high speed bi-directional 8 wire (TX, RX, CTS, RTS, DSR, DTR, RI & GND) opto-isolated externally powered RS232 2500V isolator with 15KV ESD and 600W surge protection in a 9 pin format. Since it is externally powered, port-powered incompatibility problems are not an issue. The optically isolated circuitry provides effective protection for your devices from voltage surges, ground loop conditions and noise problems. The adapter kit includes two serial cables and a power supply. Operates reliably from 300 to 115.2K bps.
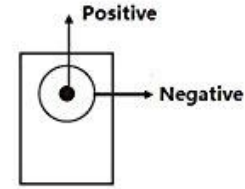
Specifications:

- Power Port-powered from RS232 (RTS, DTR, TXD)
- Optional external power: 5 - 12VDC
- RS-232 side in DB9 female
- RS-485/422 side in binding post
- Max connections: 32 RS485/422 devices
- Max distance: 1.2 KM
- Baud rate: 300BPS-115.2KBPS
- Size:61mm×41mm×21mm
- Environment:-40-85C, Relate humidity 5-95%
- Protection: +/-15KV ESD protection for RS-232 interface
- Photoelectric isolation voltage: 2.5KVrms /500VDC
- 600W lightning strike and grounding interference protection for RS-485
- Working mode: 4-wire RS422 asynchronous, full-duplex differential and half-duplex RS485

RS-232 DB9 PINOUT

DB9 Female (PIN)	PINOUT
1	PGND
2	Transmit Data SOUT(TXD)
3	Receive Data SIN(RXD)
4	Data Terminal Ready DTR
5	Signal Ground GND
6	Data Set Ready DSR
7	Request To Send RTS
8	Clear To Send CTS
9	Ring Indicate RI

Positive

Negative

OPTIONAL External DC Power(5-12V/20mA)

RS-485 TERMINAL PINOUT

6-pin Connection Terminal	Output Signal	RS-422 FDX Connection	RS-485 HDX Connection
1	T/R+	Transmitting (A+)	RS-485(A+)
2	T/R-	Transmitting (B-)	RS-485(B-)
3	RXD+	Receiving (A+)	N/C
4	RXD-	Receiving (B-)	N/C
5	SGND	SGND wire	SGND wire
6	SGND	SGND wire	SGND wire

EZSync Series:

Model number	EZSync203	EZSync2112	EZSync210	EZSync211	EZSync2127	EZSync2201
Baud rate	300 - 115200bps	300 - 115200bps	300 - 115200bps	300 - 57600bps	300 - 115200bps	300 - 115200bps
Power	Port-powered from RS232 (RTS or DTR, TXD)	External powered from 9-48 VDC input. 110/240VAC to 12VDC power supply adapter is included	Port-powered from RS232 (RTS or DTR, TXD). Optional external power: 5 - 12VDC	Port-powered from RS232 (RTS, DTR, TXD). Optional external power: 5 - 12VDC	Port-powered from RS232 (RTS, DTR, TXD). Optional external power: 5 - 12VDC	Port-powered from RS232 (RTS or DTR, TXD)
Interface A	RS-232, DB9 female connector	RS-232, DB9 female connector	RS-232, DB9 female connector	RS-232, DB9 female connector	RS-232, DB9 female connector	RS-232, DB9 female connector
Interface B	RS422, DB9 male AND 6-port terminal board	RS-232, DB9 male connector	TTL, DB9 female connector	RS-232, DB9 male connector	RS-485/422, 6-port terminal board	RS422, DB9 male AND 4-port terminal board
Isolation	NONE	2500Vrms / 500VDC	NONE	2500Vrms / 500VDC	2500Vrms / 500VDC	NONE
Transient protection	600W TVS	15KV ESD	600W TVS	15KV ESD	15KV ESD, 600W TVS	600W TVS
Transmission distance	RS232: 15 FT (5m)	RS232: 15 FT (5m)	RS232: 15 FT (5m)	RS232: 15 FT (5m)	RS232: 15 FT (5m)	RS232: 15 FT (5m)
	RS422/RS485: up to 4000 FT (1200m)	RS232: 15 FT (5m)	TTL: 15 FT (5m)	RS232: 15 FT (5m)	RS422/RS485: up to 4000 FT (1200m)	RS485: up to 4000 FT (1200m)
Operating Environment	-25°C to 70°C, 5%-95% RH	-40°C to 85°C, 5%-95% RH	-40°C to 85°C, 5%-95% RH	-40°C to 85°C, 5%-95% RH	-40°C to 85°C, 5%-95% RH	-25°C to 70°C, 5%-95% RH
Dimensions	63mm x 34mm x 18mm	113mm x 55mm x 33 mm	63mm x 34mm x 18mm	63mm x 34mm x 18mm	61mm x 41mm x 21mm	63mm x 34mm x 18mm
Compliance	CE, FCC, RoHS, ISO 9001	CE, FCC, RoHS, ISO 9001	CE, FCC, RoHS, ISO 9001	CE, FCC, RoHS, ISO 9001	CE, FCC, RoHS, ISO 9001	CE, FCC, RoHS, ISO 9001