



**Products Content:**

LBSW16485GI/C is our top-of-the-line converters with both isolation and surge protection, enclosed terminal blocks for tamper resistance and dip switches for configuration. Isolated power and ground generated internally. LEDs indicate data traffic. This model is a basic isolated converter. The RS-422/485 side and the RS232 side is powered by an external power supply.

**Features**

1. DIN-rail mount, terminal block, 5-40VAC external power, 3000V isolation
2. Transmit distance reach up to 1800M at the rate of 9.6kbps
3. Adopt DIP switch setup, random switch RS-485/RS-422 interface
4. Automatic send data control, auto distinguish and sense direction about data transfer
5. Auto sense serial signal rate, zero delay automatic transmit

Standard	Accord EIA RS-485, RS-422 standard
RS-232 signal	TX, RX, GND
RS-485 signal	D+, D-, GND
RS-422 signal	R+, R-, T+, T-, GND
Working format	Asynchronism, point to point or multi point, 2 line half-duplex, 4 line duplex
Direction	Automatic send data control, no software drivers need
Band rate	300-115200bps, automatic test signal rate
Loading	Support 32 port loop environment (or handtailor 128 point)
Port protection	600W surge protection, 15KV static protection
Opto-electronic isolation	3000V
Connector	RS-485 port 3 industrial terminal block, RS-422 port 5 industrial terminal block

**Environment**

Working temperature      -40 to 80  
 Storage temperature      -40 to 85  
 Humidity                      Relative humidity 5% to 95%

**Power**

Input powered            40V external powered  
 Consumption            Static consumption less than 100mA, dynamic average consumption less than 300mA

**Dimensions**

L\*W\*H                    100mm\*69mm\*22mm  
 Shell                      Iron  
 Color                      White  
 Weight                    170g

## 1. PIN define

RS-422 interface	
R+	RS-422 R+
R-	RS-422 R-
T+	RS-422 T+
T-	RS-422 T-
RS-485 interface	
D+	RS-485+
D-	RS-485-
SGND	RS-485/422 GND
Power interface	
V+	Power +(Support 5V to 24V power input)
GND	Power GND

**\*Notice:** LBSW16485GI/C Adopt itself adapt interface technique, no use for setup switch

## 2. Indicator light

Power	Power indicator
RxD	RS-485/422 interface receive data
TxD	RS-485/422 interface transfer data

## 3. Connection

T-/D- PIN	outside connect RS-422 R- / RS-485 D-
T+/D+ PIN	outside connect RS-422 R+ / RS-485 D+
R- PIN	outside connect RS-422 T-
R+ PIN	outside connect RS-422 T+