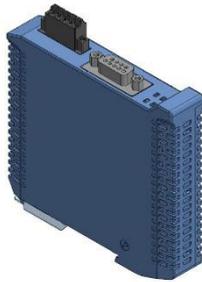


G-M1A011

RS-485 to RS-232 Converters

(Isolation Protection 3000 VDC)



Main Features

- ① RS-485 to RS-232 Converters
- ① Isolation Protection 3000 VDC
- ① Serial Interface RS-232 /485



Introduction

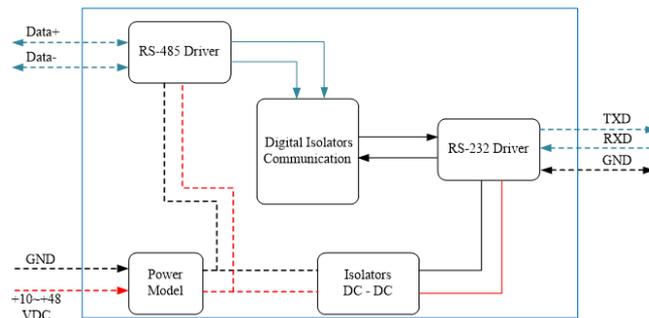
Most industrial systems offer standard RS-232 and RS-485 serial ports. Although widely used, RS-232 is limited by transmission speed, range and networking performance. RS-485 is the control signal. Transmitted by the difference method to overcome the RS-232 limit, the G-M1A011 Converter can convert the RS-232 signal into an isolated RS-485 signal without any hardware or software replacement. The G-M1A011 allows you to easily set up Long-distance communication system.

Specification

Model Name		G-M1A011
Specifications		
Serial Interface	RS-232	• TXD, RXD, GND
	RS-485	• D+, D-
Transmission Distance		Max.1200 m at 9.6 kbps; Max. 400m at 115.2 kbps
Speed		From 300 to 115.2 k
ESD Protection		Yes
Isolation Protection		3000 VDC
Connection	RS-485	Removable 5-Pin Terminal Block
	RS-232	9-Pin Female D-sub
MTBF (Conditions: Temperature: 25°C)		
Failure Rate		109.132252 (FITs)

MTBF	9,163,194 (Hours)
Power	
Input Voltage Range	+10 V DC ~ +48 V DC
LED Indicator	
Power / Communication	Yes
Mechanical	
Casing	PC
Flammability	UL-94 Fire-proof level
Dimensions (W x H x D)	100mm x 21mm x 107mm
Installation	DIN-Rail
General	
Operating Temperature	-10~70 °C (14~158 °F)
Storage Temperature	-25~85 °C (-13~185 °F)
Humidity	5~95 %RH, non-condensing

The G-M1A011 Block Diagram



Pin Assignment

RS-232:Female DB-9 Connector		
Pin Assignment	Terminal No.	Pin Assignment
1 --		6 --
2 TXD		7 --
3 RXD		8 --
4 --		9 --
5 GND		

*None:--

	Terminal No.	Pin Assignment
Power	1	+Vs
	2	GND
	3	FG
RS-485	4	D+
	5	D-

