G-M1A021

RS-232 / 422 / 485 Converters

Features

- USB to RS-232 / 422 / 485 Converter
- Plastic / Aluminum Housing
- Isolation Protection 2500 VDC
- Serial Interface RS-232 /422 / 485

Introduction

Connect RS-232 / 422 / 485 devices to a USB port with 2500 VDC isolation protection. The G-M1A021 is an ideal application which includes a high retention USB interface, removable terminal and LEDs to indicate data flow. Advanio converter can help industries to contribute networks completely.

General

Housing Option		Plastic housing / Aluminum housing
USB		USB 2.0
Serial Interface	RS-232	The RS-232, RS-422 and RS-485 cannot be used simultaneously • TXD, RXD, GND • TX+, TX-, RX+, RX- • TX+(DATA+), TX-(DATA-)
	RS-422	
	RS-485	
RS-422/485 Transmission Distance		Max.1200 m at 9.6 kbps; Max. 400m at 115.2 kbps
Connection	RS-232/422/485	Removable 8-Pin Terminal Block
	USB	Type B
Speed		From 300 to 115.2 k
Isolation Protection		2500 VDC
Input Voltage Range		+5 V DC from USB
Driver Supported		Windows 98, 98SE, ME, 2000, Server 2003, XP and Server 2008, Windows 7 32,64-bit, Windows XP and XP 64-bit, Windows Vista and Vista 64-bit, Windows XP Embedded, Windows CE 4.2, 5.0 and 6.0 Linux 2.4 and greate

MTBF (Conditions: Temperature: 25ºC)

Failure Rate	117.103580 (FITs)
MTBF	8,539,449 (Hours)

Environmental

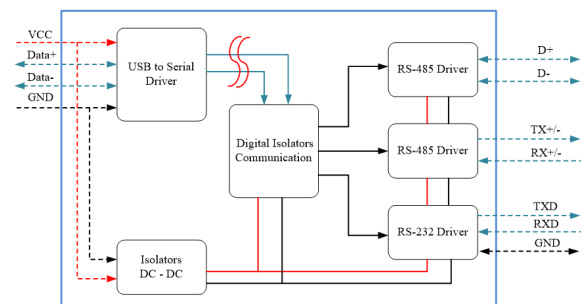|	
Operating Temp.	-10 ~ 70ºC (14 ~ 158ºF)
Storage Temp.	-25 ~ 85ºC (-13 ~ 185ºF)
Operating Humidity	5% to 95% RH (non-condensing)

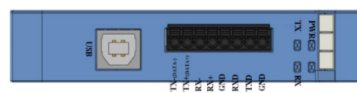### Mechanical

Casing	PC
Flammability	UL-94 Fire-proof level
Dimension (W x H x D)	100 x 21 x 107mm
Installation	DIN-Rail

Block Diagram

Pin Assignment

Port	Pin Definition
RS-485	TX+(DATA+) and TX-(DATA-)
RS-422	TX+(DATA+), TX-(DATA-), RX+ and RX-
RS-232	TXD, RXD and GND