

G-M1D031

Device industrial Series Ethernet enabled 1-port RS-485 Port Replicator

(Real-time data)



Main Features

PRELIMINARY

- ① Built-in Ethernet RJ45 port for Ethernet connection
- ① Real-time data transmit and receive
- ① Auto connection & mapping with MAC address bound.



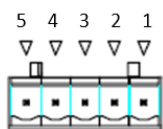
Introduction

G-M1D031 allows users to expand single RS-485 channel over Ethernet connection, and it works on any Windows-based desktop, thin-client, laptop, All-in-one, and tablet PC computers. With Advanio DPL2000Q High-Performance Ethernet-UART controller and exclusive I/O Redirection Technology, Device Port creates physical COM ports that support real-time data communication, Smart COM on/off-line deployment, and Ethernet-COM port hot-plug capability; the user can expand RS-485 COM port easily without complex software configuration. Advanio Device Port improves remote RS-485 connectivity deployment efficiency to achieve greater reliability in industrial automation applications.

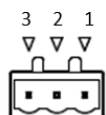
Model Name	G-M1D031
Specifications	
Interface	RS-485
Controller	SUNIX DPL2000Q
BUS	Ethernet
No. of Port	1-port
FIFO	1Kbyte Hardware / per port
Baud rate	50bps ~921.6Kbps
Stop bit	1, 1.5, 2
Parity	even, odd, none, mark, space
Flow Control	Xon / Xoff (software)

Connector	Terminal Block (5-pin)
Signal	RS-485: Data+, Data-, GND (Note: This item support RS-485 connectivity only)
Ethernet Communication	
Number of Ports	1-port
Speed	10/100 Mbps, auto MDI/MDIX
Connector	RJ45
Protection	1.0K Built-in Magnetic Isolation Protection
Power Requirements	
Input Voltage	12V ~ 24VDC
Power Consumption	2.5W
Connector	Terminal Block (3-pin)
Driver Support	
Microsoft Client	XP (X86) / 7 / 8 / 8.1 / 10 (X86/X64)
Microsoft Server	2003 / 2008 / 2012R2 (X64)
Environment	
Operation Temperature	0 to 60°C (32 to 140°F)
Operation Humidity	5 to 95% RH (non-condensing)
Storage Temperature	-20 to 85°C (-4 to 185°F)
Physical Characteristics	
PCBA Size	71.95 x 90.8 mm, 2.83 x 3.57 (inch)

Pin Assignment:



PIN	RS-485
1	GND
2	Data-
3	Data+
4	-
5	-



PIN	Power
1	+V
2	-V
3	GND

Terminator

PIN	Switch	RS-485
1		Enable Terminator (120Ω)
2		Disable