SST Automation
Industrial Communication

GT200-DPM-EI
PROFIBUS DP / EtherNet/IP Gateway

Product Overview

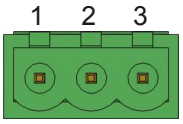
GT200-DPM-EI is a gateway which can realize the data communication between EtherNet/IP and PROFIBUS-DP.It can connect devices with PROFIBUS-DP slave interface to EtherNet/IP network.k. It acts as a PROFIBUS DP master at the side of PROFIBUS DP and a EtherNet/IP slave at the side of EtherNet/IP.

Technical Specifications

[1] PROFIBUS DP/V0 communication capability, in accordance with EN50170.
[2] 2.5KV photoelectric isolation on PROFIBUS DP interface and EtherNet/IP interface.
[3] Support ODVA standard EtherNet/IP communication protocol.
[4] PROFIBUS DP up to 492-byte input and 492-byte output.
[5] Max input and output bytes of EtherNet/IP: 492 bytes.
[6] Double Ethernet port, 10/100M self-adaptive.
[7] Power voltage is DC9~30V, maximum 4W.
[8] Temperature: operating -4°F~140°F(-20°C ~ 60°C). Humidity: 5% to 95% (No Condensing).
[9] Dimensions (W*H*D): 1.34in*4.57in *4.23in (34mm*116mm*107.4mm).
[10] Installation: 35mm rail.
[11] Protection Level: IP20.

Power Interface

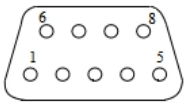
Power interface is shown as below:



Pin	Description
1	Power GND
2	NC(Not Connected)
3	24V+, DC Positive 24V

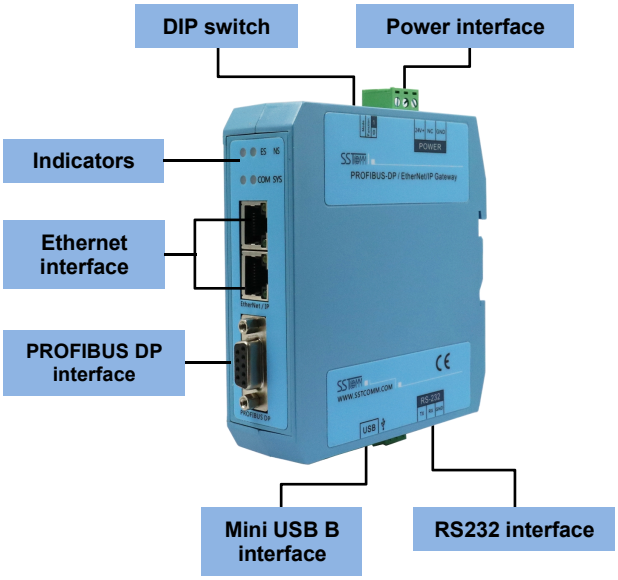
PROFIBUS DP Interface

PROFIBUS DP interface uses DB9 connector, and the pins are defined as follows:



Pin	Description
3	PROFI_B
5	GND (optional)
8	PROFI_A

Appearance

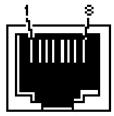


Features

- Wide application: establish stable connection between PROFIBUS DP network and EtherNet/IP network.
- Easy to use: no need to know the detailed technology of PROFIBUS DP and EtherNet/IP, users just refer to this manual and application examples, finish network configuration and make it work in short time.
- Transparent Communication: users can refer to the mapping relations between PROFIBUS communication data area and EtherNet/IP data area, then establish transparent transmission between them.

Ethernet Interface

Ethernet interface uses RJ-45 connector. its pin (standard Ethernet signal) is defined as below:


RJ-45 port

Pin	Description
S1	TXD+, Tranceive Data+, Output
S2	TXD-, Tranceive Data-, Output
S3	RXD+, Receive Data+, Input
S4	Bi-Directional Data+
S5	Bi-Directional Data-
S6	RXD-, Receive Data-, Input
S7	Bi-Directional Data+
S8	Bi-Directional Data-

SST Automation
1050 Lakes Dr, Suite 225
West Covina, CA 91790, USA
Tel: +1-909-977-2988
https://www.sstcomm.com
Email: sales@sstcomm.com