



IGW3300-2T-DB-P(24VDC)

Rail mounted installation

PROFIBUS To PROFINET Protocol Gateway

- Supports 1 DB9 female head and 2 10/100Mbit/s Ethernet interfaces
- Support conversion between PROFIBUS master and PROFINET slave protocols
- Supports multiple operating modes such as PROFIBUS Master, PROFIBUS Slave, PROFINET Master, and PROFINET Slave
- Supports 24V DC DC power supply
- Support -20~70°C wide operating temperature range



Industrial Grade Fanless Desig

Introduction

IGW3300-T-DB-P (24VDC) is a powerful and easy to configure gateway used for seamless internal connection to control systems and connected devices between PROFIBUS and PROFINET networks. This gateway can quickly transmit cyclic I/O data between two networks and achieve conversion between PROFIBUS and PROFINET protocols. This product supports 1 DB9 female head and 2 100Mbps PROFINET Ethernet interfaces, and adopts a rail mounted installation method, which can meet the needs of different application sites.

PROFIBUS network configuration is completed by configuration software, supporting up to 125 slave stations; PROFINET supports a maximum of 16 slots, with a maximum input byte count of 1440 bytes and a maximum output byte count of 1440 bytes. The PROFINET side of this gateway integrates a dual port switch, allowing for simple integration into a linear topology. The PROFIBUS side is connected to the slave equipment through one DB9 female connector, and the power supply is connected through terminals. Device configuration and firmware updates can be achieved through a network port.

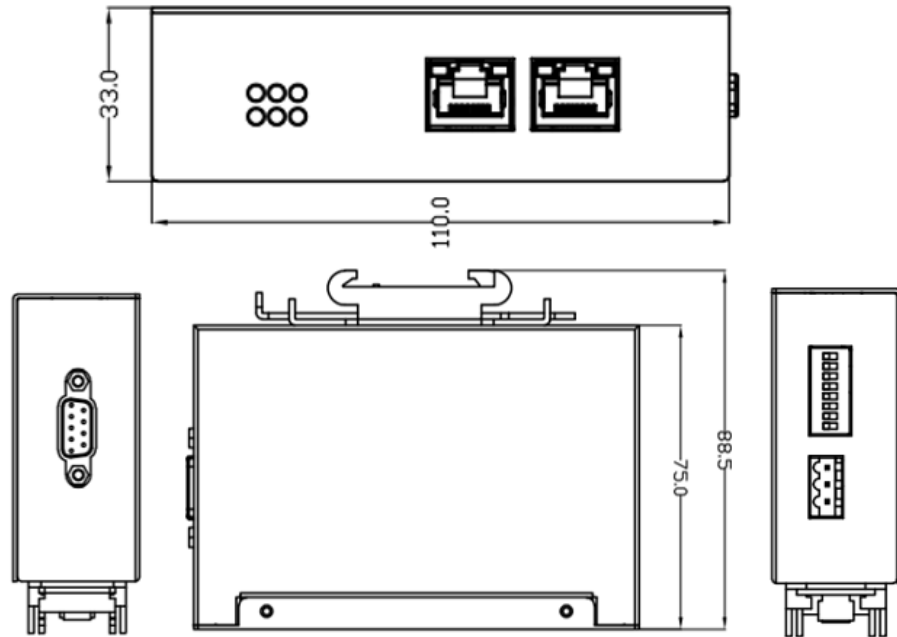
This product is applied to frequency converters that support PROFIBUS interfaces, intelligent field measurement equipment, instruments, PLCs, DCS, FCS, and more.

Features and Benefits

- ⦿ Supports 2-way 10/100Mbit/s PROFINET Ethernet interface, providing dual IP and dual MAC addresses to meet multiple network management or backup needs
- ⦿ Complies with standard PROFINET and PROFIBUS V0, V1 protocol specifications
- ⦿ Protocol conversion between millisecond level networks
- ⦿ Powerful main station interface, supporting a maximum baud rate of 12M
- ⦿ Supports multiple operating modes such as PROFIBUS Master, PROFIBUS Slave, PROFINET Master, and PROFINET Slave
- ⦿ PROFIBUS network configuration is completed by configuration software, supporting up to 125 slave stations
- ⦿ Support IP address and MAC address filtering function, easily achieve precise access control
- ⦿ Simple configuration, providing free configuration tools
- ⦿ The Ethernet port facilitates quick device configuration and online upgrades
- ⦿ Supports saving, downloading, scanning, diagnosis, etc
- ⦿ Supports resetting the slave address, scanning the online device list, and displaying the active status of the connected slave stations
- ⦿ Support PROFINET-IO and PROFIBUS mapping configuration
- ⦿ Support for slave station diagnostic information
- ⦿ PROFINET supports FSU and IRT, with protocol conversion time < 15ms

Dimension

Unit:mm



Specification

<p>PROFINET</p>	<p>PROFINET specification: V2.3 GSDML specification: V2.32 V2.33 PROFINET interface: 2-way 10/100 Mbit/s Ethernet, RJ45 plug Slot: Supports 16 slots MRP: Support Support maximum data: 1440 bytes IN+1440 bytes OUT Switch: Integrated dual port switch IRT: Support FSU: Support Protocol conversion time:<15ms</p>
<p>PROFIBUS</p>	<p>PROFIBUS specification: V2.3 PROFIBUS interface: 1-way DB9 female connector Slave scale: can connect up to 125 slave stations Support Baud Rate: Supports all baud rates, up to 12Mbit/s Supports online functions: supports resetting the slave address, scanning the online device list, and displaying the active status of the connected slave stations Maximum I/O data: supports a maximum of 512 bytes per direction</p>
<p>Configuration Tools</p>	<p>Tool Name: PROFIBUS Configuration Studio Configuration interface: Ethernet port</p>

	<p>Engineering management: supports saving, downloading, scanning, diagnosis, etc</p> <p>Language: Supports Chinese</p> <p>Interactive mapping: Supports PROFINET-IO and PROFIBUS mapping configurations</p> <p>Diagnosis: Supports slave station diagnostic information</p>
Indicator Light	Power indicator light, operation indicator light, communication port indicator light, Ethernet port indicator light
Source	Power supply: 24 VDC+/-10%, 130mA typ
Protection/Isolation	<p>Triple isolation: PROFIBUS DP<=>Power<=>Ethernet</p> <p>Protection: reverse voltage/short circuit protection</p>
Work Environment	<p>Working temperature: -20~70 °C</p> <p>Storage temperature: -40~85 °C</p> <p>Relative humidity: 10% to 95% (without condensation)</p>
Mechanical Structure	<p>Shell: IP20 protection level, metal shell</p> <p>Installation: DIN 35mm rail mounted</p> <p>Dimensions (width x height x depth): 33mm x 110mm x 75mm</p> <p>Weight: approximately 330g</p>
Certificate	CE、FCC、RoHS
Warranty	5 years

Ordering Information

Model	100Mbps Profinet port	DB9 female head	Source
IGW3300-2T-DB-P(24VDC)	2	1	24 VDC soil 10%



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