

GW-112

GW-112 IP Module

Simple yet Open

- ❖ MT 7628 Controller
- ❖ Operate Independently
- ❖ Multiple Protocol Conversion
- ❖ On Spot Mini Gateway
- ❖ Standard Open Source Protocol
- ❖ RS485 X 2
- ❖ Niagara Online Programming



Review

GW-112 network module is applied with DDC-8446 controller to perform IP network communication. GW-112 module can be plugged into the left-sided slot of DDC-8446 to become a IP controller. GW-112 is provided with a powerful core processor, every function is handled by GW-112 after it is plugged into DDC8446. With 2 RS485 communication ports, 1 10M/100M adaptive Ethernet port, it supports standard Modbus or Bacnet IP protocol. COM1 supports DDC-8446 external Modbus RTU/Bacnet Mstp communication, and Modbus Master with at most 4 devices from 8446 series. Whereas COM2 supports Modbus Bridge, Bacnet Router functions, which can effectively connect the devices connected to bus, to IP network through protocol.

Features

❖ Standard Open Source Protocol

Supports standard ModbusTCP or BacnetIP protocol.

❖ On Spot Mini Gateway

GW-112 supports the following communication modes.

- 1.Supports Modbus Bridge (not more than 32 devices)
- 2.Supports Bacnet Router (not more than 32 devices)
- 3.Supports Modbus Master functions (not more than 4 devices from DDC-8446 series)

❖ Online Firmware Upgradable/Configurable

Supports web page configuration, and online firmware upgrade.

❖ Energy and Device Management Function

Functional modules are specifically customized for energy and device management.

❖ Supports Niagara 4 Online Program Download

Niagara 4 platform is able to download the functional program to DDC online through APM (Advanced Programming Module).

Device Informations

Modal	GW-112
Description	DDC-8446 IP Extension Module
Name	GW-112

Device Parameters

Exterior	Size	89x124x62mm
	Casing Material	UL 94 ABS+PC
	Weight	162g
	Power Consumption	<10W
	Rated Current	0.25A at 24VAC/VDC
	Operating Temperature	32 to 131 °F (0 to 55 °C)
	Storing Temperature	-4 to 185 °F (-20 to 85 °C)
	Operating Humidity	0% to 95% relative humidity, without condensation
Module Function	Increase DDC8446 IP communication port, Modbus/Bacnet protocol conversion	
RS485 Communication	RS485	2 Channels, EIA-485 Standard Two Wire, Half Duplex, 1 Load
	Modbus Baud Rate	9.6K, 19.2K, 38.4K, 57.6K, 115.2K bit/s
	BACnet Baud Rate	9.6K, 19.2K, 38.4K, 76.8Kbit/s
	Byte Length	8 bits
	Parity	None, Even, Odd
	Supported Protocol	Port1 (Modbus Master , Bacnet MSTP , Modbus RTU ,) Port2 (Modbus Bridge, Bacnet Router)
IP Communication	Supported	IP, TCP, UDP, ICMP, HTTP, BACnet IP, Modbus IP