

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 DCM-8446 controller to perform IP network communication. GW-112 module can be plugged into the left-sided slot of DCM-8446 to become an IP controller. GW-112 is provided with a powerful core processor, every function is handled by GW-112 after it is plugged into DCM 8446. With 2 RS485 communication ports, 1 10M/100M adaptive Ethernet port, it supports standard Modbus or Bacnet IP protocol. COM1 supports DCM-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 Modbus TCP 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 DCM-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 Information

Model	GW-112
Description	DCM-8446 IP Extension Module
Name	GW-112

Device Parameters

Exterior	Size	89x124x62mm
	Casing Material	UL 94 ABS+PC
	Weight	162g
	Power	<10W
	Rated Current	0.25A at 24VAC/VDC
	Operating	32 to 131 °F (0 to 55 °C)
	Storing	-4 to 185 °F (-20 to 85 °C)
	Operating	0% to 95% relative humidity, without condensation
Module Function	Increase DCM 8446 IP communication port, Modbus/Bacnet protocol conversion	
RS485 Communication	RS485	2 Channels, EIA-485 Standard Two Wire, Half Duplex, 1 Load
	Modbus Baud	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