

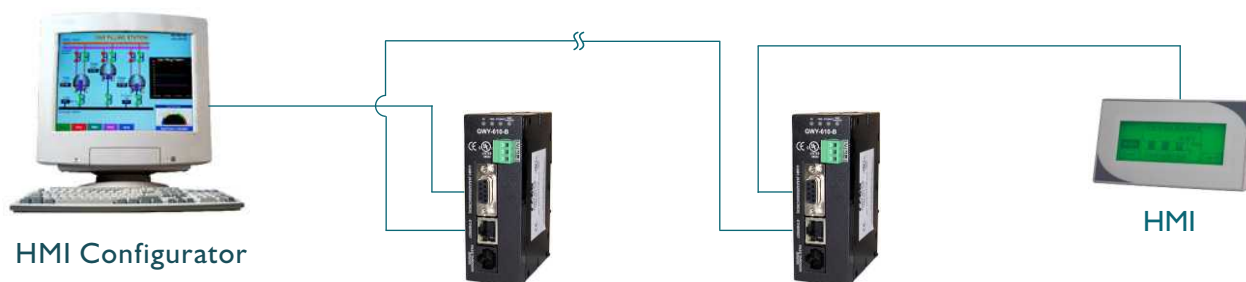


Programmable Industrial Protocol Converter :

- DIN Rail or Panel Mounted compact Protocol Converter
- Hardware with two communication ports :
COM1: RS232 / RS422 / 2 or 4 wire RS485 / CMOS (Serial)
COM2: 10/100Base-T Connector (Modbus TCP/IP/HTTP)
COM3: RS232 / Pass Through for COM1
- Connects PLCs, Drive and other serial devices on Modbus TCP/IP network / to HTTP Client
- Common model for connecting different devices. Several PLC and Inverters can be supported
- Low power consumption of only 5.0 Watts
- Common Programming software for the entire Gateway family.....FREE!!
- CE with UL certification

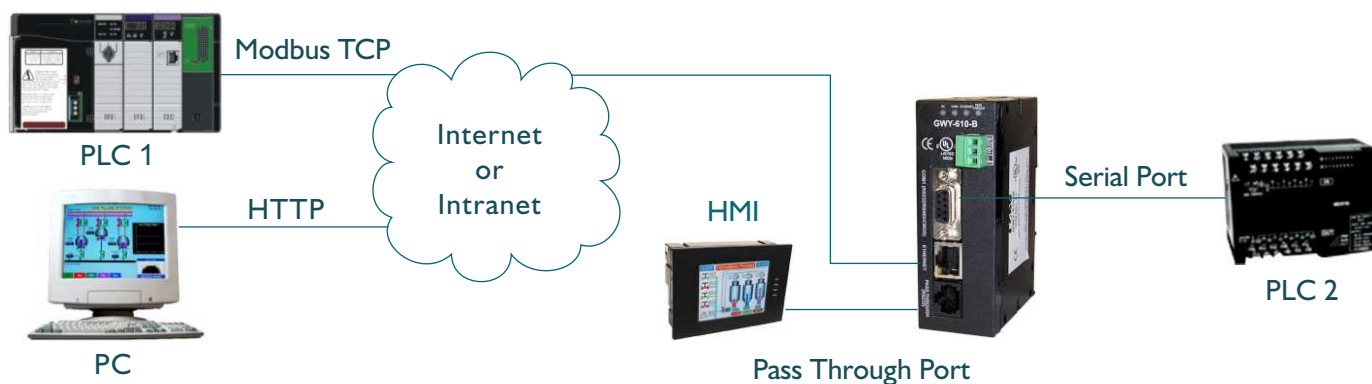
Possible Applications :

1. GWY-600-B (Serial to Ethernet transparent Gateway)



No protocol conversion will be done in this module. It will be a transparent Gateway and will allow application software's running on serial device to communicate with remote serial device via Ethernet.

2. GWY-610-B (Serial protocols to Ethernet protocols Gateway)



GWY-610-B is the ideal solution for serial devices such as PLCs, Drives and Other serial device in many applications where connectivity such as Modbus TCP/IP, Ethernet IP or Toshiba protocol over UDP is needed. The GWY-610-B will be a powerful module designed with both Client and Server support, which will enable easy connection for serial devices with Modbus TCP/IP Devices. It can be also used as Modbus RTU /ASCII to Modbus TCP/IP Gateway.

Now, GWY-610-B also provides the capability to monitor run-time parameters of the controller / serial device using any standard HTTP client (Internet Explorer, Mozilla, etc.) via the embedded web (HTTP) server; the run-time parameters are presented in standard HTML format. The setup software provides flexibility to choose the controller parameters to be monitored, configure the HTML pages and download them to the Ethernet Gateway module.

3. GWY-620-B (Serial protocols to Ethernet-Web server Gateway)



The GWY-620-B provides the capability to monitor run-time parameters of the controller / serial device using any standard HTTP client (Internet Explorer, Mozilla, etc.) via the embedded web (HTTP) server; the run-time parameters are presented in standard HTML format. The setup software provides flexibility to choose the controller parameters to be monitored, configure the HTML pages and download them to the Ethernet Gateway module.

GWY-620-B is same as GWY-610-B except it supports dynamic objects such as Bargraph, Meter etc.

E-mail notification can also be configured using the setup software. This feature allows the Ethernet Gateway module to send email notifications about events that occurred during the controller operation; this feature can be enabled or disabled using the setup software.

Features :- Embedded TCP/IP stack , HTTP 1.0/1.1 compliant web server, DHCP client , DNS client , SMTP

* Images not to Scale.

GWY-6XX Operations :

GWY-600 is a Serial to Ethernet transparent Gateway.
 GWY-610 is a Protocol Converter / Data sharer for devices like PLCs, Inverters, Controllers etc. GWY-610 has a serial port, that connects to a serial device and a Ethernet port (Modbus TCP Client, Modbus TCP Server and other Ethernet Protocols), that connects to Ethernet. This Gateway allows serial devices to act as a server on to a Modbus TCP/IP network. It also allows serial devices to act as a Client on to a Modbus TCP/IP network.

Our Windows® based Gateway setup software makes it easy to configure the GWY-610 and GWY-620. After choosing which protocol to be used for each port, you can program the Gateway to transfer the data blocks. The same software can be used to download HTML pages to a GWY-620 to make it a HTML server.

System requirements for Gateway Setup Software are :

Windows Version : Microsoft Windows 9x/NT/2000/XP
 Processor : PENTIUM or higher
 Hard disk Space : 5 MB or more
 Mouse : Required
 RAM : 16 MB or more
 Display resolution : 800 X 600 (VGA) or better
 Display colors : 16 bit color

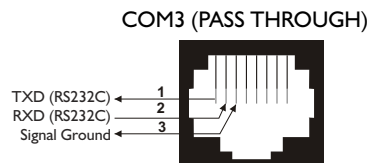
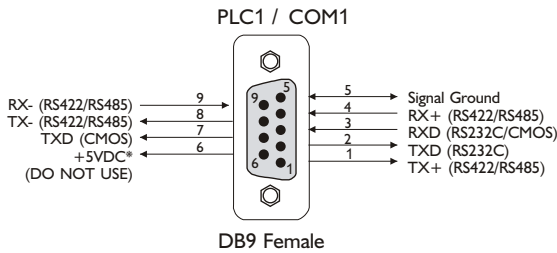
Programming software is common for the entire Gateway family.

Other Accessories required for the GWY-610 configuration And to use in actual application:

1. Gateway Configuration / Connecting Cable.**
2. Gateway Setup Software .
3. Devices with communication cables.

Communication Ports :

The GWY-6XX PLC1 / COM1 port is compatible to RS232 / RS422 / RS485 and CMOS signal levels. Passthrough port supports RS232 signal levels. The Pin-outs of these ports are shown below :



*Do not use pin no. 6 of PLC1 / COM1.

**Refer our website (www.renuelectronics.com) for your specific Cable requirements

Protocols supported for :

The GWY-610 supports Modbus TCP Client, Modbus TCP Server , Web Server protocol on Ethernet port.

It currently support following devices on COM1 Port :

- Modbus RTU (Master)
- Toshiba ASD
- Omron Host Link
- Yaskawa Drives
- GE Fanuc Series 90-30, VersaMax
- Modbus RTU (Slave)
- AB DF1 Full Duplex (Micrologix /SLC5/0x / PLC5/30)
- IDEC Micro³ / C, IDEC MicroSmart, IDEC Open Net
- Telemecanique 17, 47 & 67 Series
- Siemens-S7-200 PPI
- Toshiba T1, T2, T3 (Link Port)
- Xtra Drive PLCs on COM1 side.

It can also support following Devices on request:

- ABB
- Baldor Drives
- Crouzet
- Entertron
- J-BUS
- Koyo
- Messung XMP-8 / NEXGEN 4000 / NEXGEN 5000
- METTLER TOLEDO Weighing Scales
- RHEONIC Mass Flowmeter
- Toshiba T series (Programming Port)
- AB DH485 (SLC5 / 0x series)
- Calisto (Morgan Schaffer)
- Delta DVP Series
- Honeywell
- K1339_Slave
- LG MasterK 80S-300S
- Mitsubishi FX
- SARTORIOUS Weighing Scales
- Twido
- Aromat FP0 / FP1 / FP2 / FP Sigma and FPM
- Cegelec Alspa series
- Discovery Panel
- Idec Micro 1 / FA2Jr PLCs
- Keyence KV
- Moisture Analyzer (Alpha Moisture Systems)
- Taian TP02 Series
- USS Protocol

New Device drivers are constantly added. Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customization of Gateway products.

Specifications :

Power	: +24V DC + 10%, 200mA max
LEDs	: 3 LEDs for status indication
Communication Ports	: 2 Communication ports with
COM1 (DB9 Female)	: RS232 / RS422 / RS485 / CMOS (Serial)
COM2 (RJ45)	: 10/100Base-T Connector (Modbus TCP/IP)
COM3 (RJ45)	: RS232 (Isolation between communication ports and Power supply, through DC-DC coupler is 1 KV)
COM1 / PLC1	: Connects to PC for setup download or connects to PLC1 at runtime.
COM2 / PLC2	: Connects Modbus TCP/IP Network or HTTP Client . (Isolation between communication ports, through opto-isolation is 1KV for 1 min)
Temperature	: Operating : 0° to 60°C
Storage	: -20° to 80°C
Humidity	: 10% to 90% (Non condensing)
Mounting	: DIN rail or back panel mounting
Weight	: 250 gm approx.
Certifications	: CE and UL
Immunity to ESD	: as per IEC61000-4-2
Immunity to Fast Transients	: as per IEC61000-4-4
Immunity to Radiated electromagnetic field	: as per IEC61000-4-3
Immunity to Conducted disturbances	: as per IEC61000-4-6
Surge	: as per IEC61000-4-5
Radiated emission	: as per EN61000-6-4

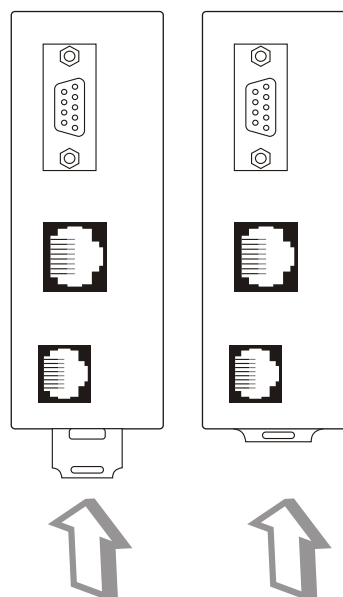
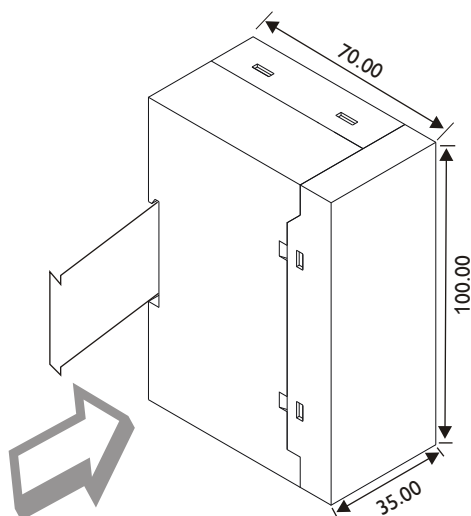
Models :

Series/Model	Technology	Protocol
GWY-00 *	Serial	Various
GWY-100 *	LonWorks	LonTalk
GWY-300 *	CANBUS	CAN (J1939/CANopen)
GWY-500 *	Profibus	Profibus-DP
GWY-600 #	Ethernet	Various
GWY-610 *	Ethernet	Various
GWY-620 #	Ethernet	Various
GWY-700 #	RFID	RFID
GWY-800 *	HART	HART

* Released
Contact factory

Dimensions :

Following sketch shows dimensional details of GWY-6XX .



All dimensions are in mm.



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