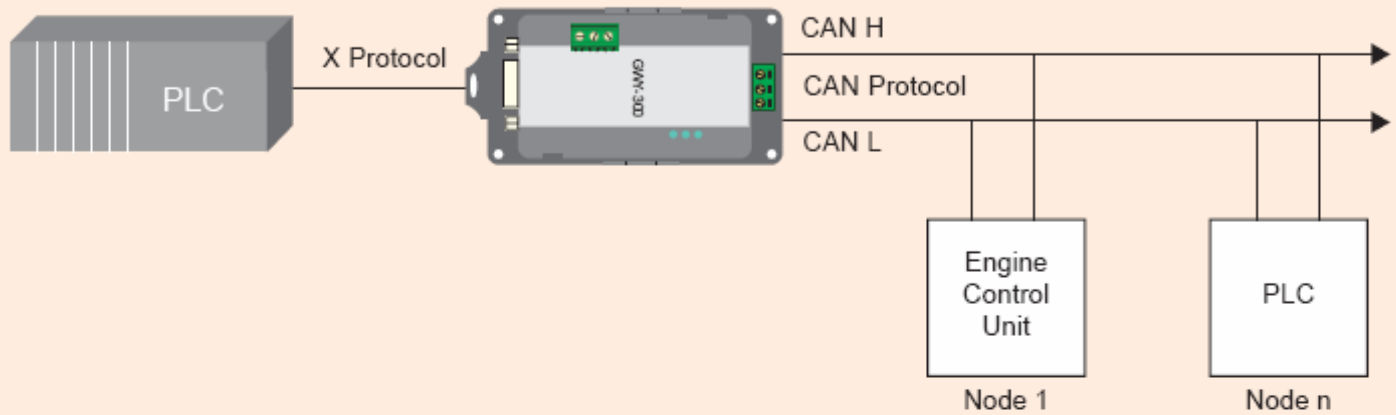


- ▶ DIN Rail or Panel Mounted compact Protocol Converter
- ▶ Hardware with two communication ports (COM1: RS232 / RS422 / 2 or 4 wire RS485 / CMOS and COM2: CAN-J1939)
- ▶ Two devices, one with serial communication port and the other with CAN communication port can be connected
- ▶ Connect your PLC on CAN BUS
- ▶ Same model can be re-configured for connecting different PLC's / devices
- ▶ Low power consumption of only 2.5 Watts
- ▶ Common Programming software for the entire Gateway family.....FREE!!
- ▶ CE / CSA with UL certification

Possible Applications

GWY-300 connects one field device (serial link) to another over CAN BUS. User can define the blocks of registers to be fetched from one device and to be transferred to the other. Our users have used Gateway units in different applications across many industries. The typical configuration includes the following:

Data Exchange between PLC and Engine Control Unit



Basic Gateway Operations

GWY-300 is a Protocol Converter / Data sharer for devices like PLCs, Inverters, Controllers etc. GWY-300 has a serial port that connects to a serial device and a CAN port which connects to CAN Bus. GWY-300 communicates with a device to get the information required by the other device.

Our Windows® based Gateway setup software makes it easy to configure the protocol converter. After choosing which protocol to use for each port, you program the Gateway to transfer the data blocks. Using a simple spreadsheet format, you simply program the Gateway to fetch a specified number of registers or bits from one device and transfer them to the other. Powerful software allows you to have all of the information transfers done continuously or allows the PLC to control which blocks of data is to be transferred.

System requirements for Gateway Setup Software are:

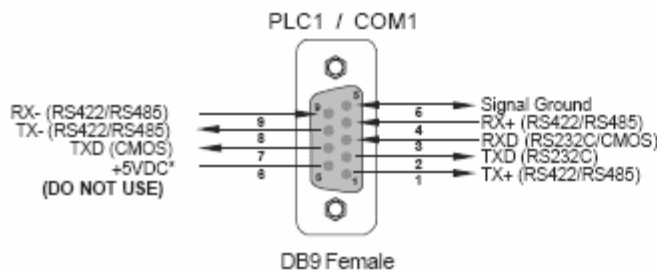
Windows Version	:	Microsoft Windows 9x/NT/2000/XP
Processor	:	PENTIUM or higher
Hard disk Space	:	5 MB or more
Mouse	:	Required
RAM	:	16 MB or more
Display resolution	:	800 X 600 (VGA) or better
Display colors	:	16 bit color

Other Items required for GWY-300 configuration:

1. Gateway unit
2. Gateway Configuration Cable
3. Gateway Setup Software
4. Devices with communication cables

Communication Ports

GWY-300 has two communication ports COM1 and COM2. COM1 port is compatible to RS232 / RS422 / RS485 and other is CAN communication port (COM2). Pin-out of these ports are as shown below:



COM2



PIN	SIGNAL
01	CAN_L
02	Shield
03	CAN_H

*Do not use pin no. 6 of the GWY-300 communication port.

PLC's supported

The GWY-300 currently supports Modbus RTU (Master), Modbus RTU (Slave) and Toshiba T1, T2, T3 (Link Port) PLC's. It can also support following PLC's:

• ABB	• AB DF1 Full Duplex (Micrologix / SLC5/0x / PLC5/30)
• AB DH485 (SLC5 / 0x series)	• Aromat FP0 / FP1 / FP2 / FP Sigma and FPM
• Baldor Drives	• Calisto (Morgan Schaffer)
• Cegelec Alspa series	• Crouzet
• Delta DVP Series	• Discovery Panel
• Entertron	• GE Fanuc Series 90-30, VersaMax
• Honeywell	• Idec Micro 1 / FA2Jr PLCs
• IDEC Micro ³ / C, IDEC MicroSMART, IDEC Open Net	• J-BUS
• K1339_Slave	• Keyence KV
• Koyo	• LG MasterK 80S-300S
• Messung XMP-8 / NEXGEN 4000 / NEXGEN 5000	• METTLER TOLEDO Weighing Scales
• Mitsubishi FX	• Moisture Analyzer (Alpha Moisture Systems)
• Omron NT Link, Omron Host Link	• RHEONIC Mass Flowmeter
• SARTORIOUS Weighing Scales	• Siemens-S7-200 Series
• Siemens S7-300 Series	• Taian TP02 Series
• Telemecanique 17, 47 & 67 Series	• Telemecanique TSX07/37/57
• Toshiba T series (Programming Port)	• Twido
• USS Protocol	• Yaskawa Drives

GWY-300 can communicate with all the above PLC's using different communication cables.

● General specifications

● Models

Power	: +24V DC \pm 10%, 100mA max
LED's	: 3 LED's for status indication
Communication Ports	: 2 Communication port with
	COM1: RS232 / RS422 / RS485 / CMOS
	COM2: CAN-J1939
<i>(Isolation between communication ports and Power supply, through DC-DC coupler is 1 KV)</i>	
PLC1 / COM1	: Connects to PC for setup download or connects to PLC1 at runtime.
PLC2 / COM2	: Connects to CAN BUS.
<i>(Isolation between communication ports, through opto-isolation is 1KV rms for 1 min)</i>	
Temperature	: Operating : 0° to 60°C Storage : -20° to 80°C
Humidity	: 10% to 90% (Non condensing)
Mounting	: DIN rail or back panel mounting
Dimensions (DIN rail)	: 105mm(L) X 40mm(D) X 51mm(W)
Weight	: 125 gm approx.
Certifications	: CE / CSA with UL
Immunity to ESD	: Level 3 as per IEC1000-4-2
Immunity to Transients	: Level 3 as per IEC1000-4-4
Immunity to Radiated RF	: Level 3 as per IEC1000-4-3
Immunity to Conducted RF	: Level 3 as per IEC1000-4-6
Emissions	: EN55011 CISPR A

Series/Model	Technology	Protocol
GWY-00 *	Serial	Various
GWY-100 *	LonWORK	LonTalk
GWY-200 **	CANBus	DeviceNet
GWY-300 *	CANBus	CAN (J1939-71)
GWY-400 *	USB	Various
GWY-500 **	Profibus	Profibus-DP
GWY-600 #	Ethernet	Various

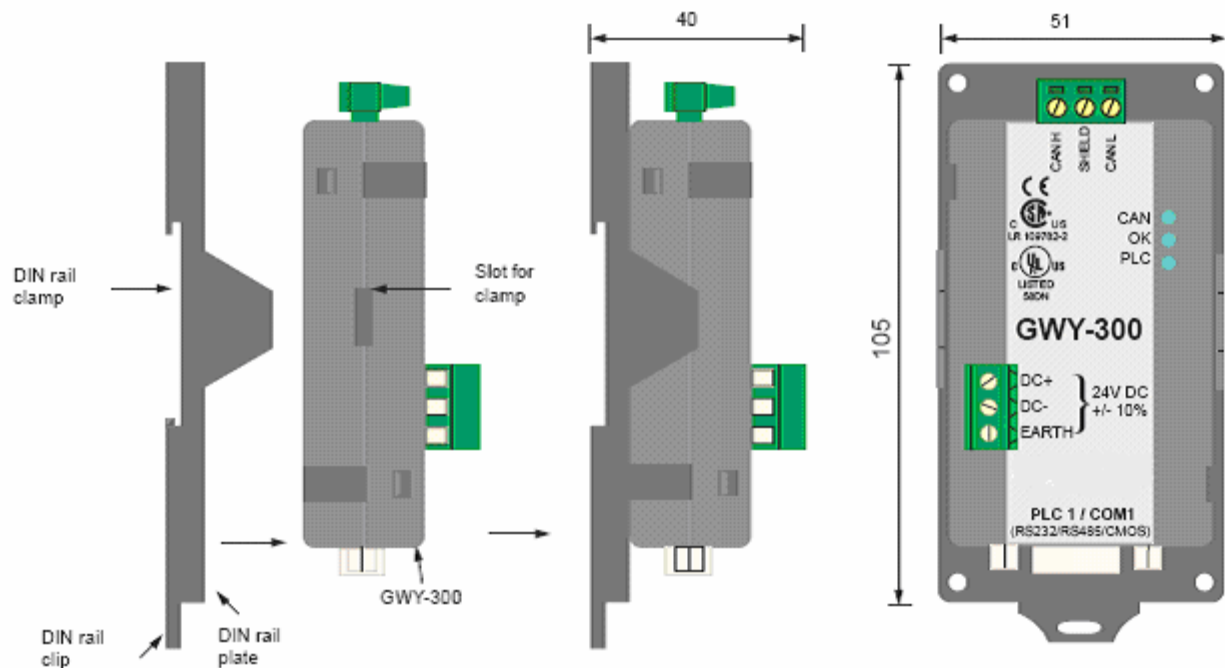
* Released

** Coming soon.

Contact Factory

● Dimensions

GWY-300 units are shipped with a separate DIN rail plate which can be attached to the unit, if desired. User can use the unit with or without the DIN rail plate. Following sketch shows dimensional details of Gateway with the DIN rail plate.



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