



## Programmable Industrial Protocol Converter

### Salient Features :-

- DIN Rail or Panel Mounted compact Protocol Converter
- Hardware with two communication ports  
COM1: RS232 / RS422 / 2 or 4 wire RS485  
COM2: GSM Port
- Allows data monitoring / sharing for PLCs, Inverters, Controllers and other network devices using Short Message Service (SMS)
- Common model for connecting different devices. Several PLC and Inverters can be supported.
- Configurable for multiple Destination Number (SIM) through software
- Connects PLC / Drive on GSM Network
- CE, UL certification. RoHS compliant
- Supports GSM Quad Band frequencies 850/900/1800/1900 MHz
- Common Programming software FlexiSoft™ .....FREE!!

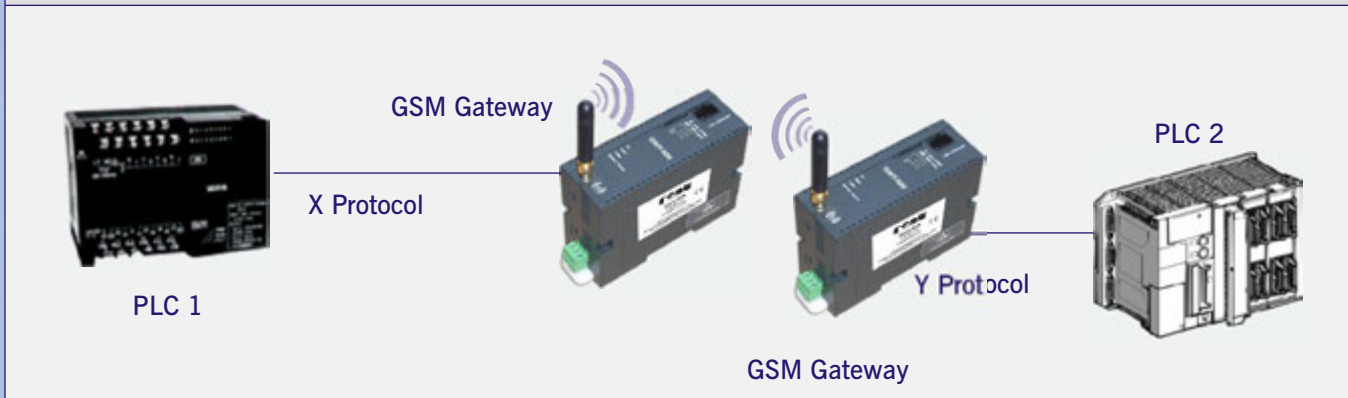


# Possible Applications :-

## • PLC to Multipoint Communication



## • PLC to PLC Communication



## • Add IO to PLC



## Operations :-

GWY-900 is a Data monitor / sharer for devices like PLCs, Inverters, Controllers etc. GWY-900 has a serial port, that connects to a serial device and a GSM port that connects to GSM network. Gateway communicates with a device to send the information required by the other device, or to get the information from other device using Short Message Service (SMS).

User can configure text SMS while configuring application using FlexiSoft software. These SMS could be simple text messages or Alarms for serial device/s connected on serial port.

Communication Ports: The GWY-900 has communication port PLC1 / COM1 that supports RS232 / RS422 / RS485 levels. User can use this port to download application & firmware. Communication port COM2 is internally connected to GSM Module.

Configuration Software: FlexiSoft™ is a compact; Windows® based software to configure the GWY-900 units. User friendly configuration tools and easy approach, helps user to create applications quickly and easily.

To get started with GWY-900, user needs:

1. GWY-900 unit 2. FlexiSoft™ Software 3. IBM Cable (Part codes: IBM-H-005-00)

OS requirements for FlexiSoft™ are:

Windows Version: Microsoft Windows® 2000 or above

## Supported Tasks in GWY-900 :-

Screen is convention for SMS Screens in software, where user can write predefine Text Message. Tasks supported are as follow-

- Go to Screen
- Go to Previous Screen
- Go to Next Screen
- Switch Screen from Tag
- Write value to Tag
- Add a constant value to Tag
- Subtract a constant value form Tag
- Add Tag B to Tag A
- Subtract Tag B to Tag A
- Turn Bit On
- Turn Bit Off
- Toggle Bit
- Copy Tag B to Tag A
- Swap Tag A and Tag B
- Copy HMI block to HMI/PLC block
- Copy HMI/PLC block to HMI block
- Wait While
- Delay

## Protocols Supported for :-

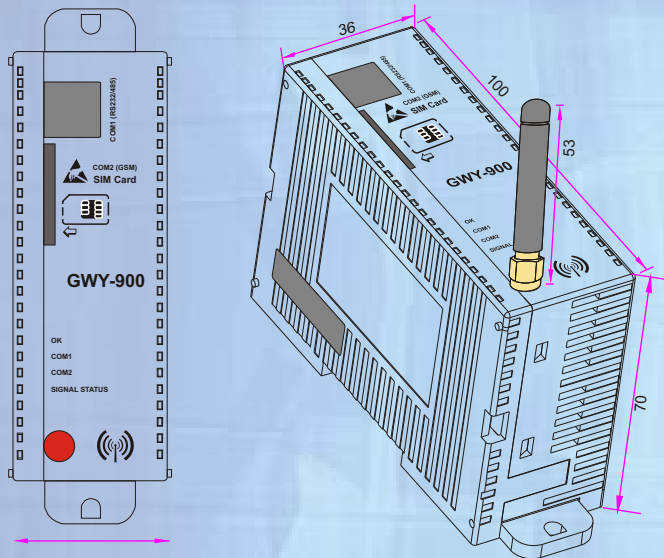
Driver	GWY-900
ABB	✓
Allen Bradley DF1	✓
Aromat FP Series	✓
Baldor	✓
Danfoss Drive	✓
Delta	✓
Fatek	✓
GE Fanuc	✓
GE SNP-X	✓
Idec	✓
LG Master K series	✓

Driver	GWY-900
LG Master-K 300S	✓
Mitsubishi FX	✓
Mitsubishi Q series (Serial)	✓
Modbus master	✓
Modbus slave	✓
Toshiba Inverters	✓
Toshiba T1	✓
Toshiba T2 Link port	✓
Twido	✓
Unitelway	✓
Universal Serial (ASCII)	✓

## Specifications :-

Power	: +24V DC 10%, 10 W max incase of Send / Receive SMS 4 W incase of normal mode
LED's	: 4 LED's for status indication
Communication Ports	: COM1 (RJ 45) : RS232 / RS422 / RS485 Connects to PC for setup download or connects to PLC1 at runtime.
COM2	: GSM Port (Internally connected to GSM Module)
Operating Temperature	: 0° to +60°C
Storage Temperature	: -20° to +80° C
Humidity	: 10% to 90% (Non condensing)
Mounting	: DIN rail or back panel mounting
Dimensions (mm)	: 100mm(H) X 36mm(W) X 70mm(D)
Weight	: 150 gm approx.
Certifications	: CE, UL, RoHS compliant

## Dimensions :-



All dimensions are in mm.

## Models :-

Series/Model	Technology	Protocol
GWY-00	Serial	Various
GWY-100	LonWorks	LonTalk
GWY-300	CANBUSCAN	( J1939/CANopen)
GWY-500	Profibus	Profibus-DP-V0
GWY-610	Ethernet	Modbus TCP/IP
GWY-800	HART	HART
GWY-900	GSM	Various

Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customized units.