

# Protocol Conversion Gateway

## GW-01

Gateway  
SERIES

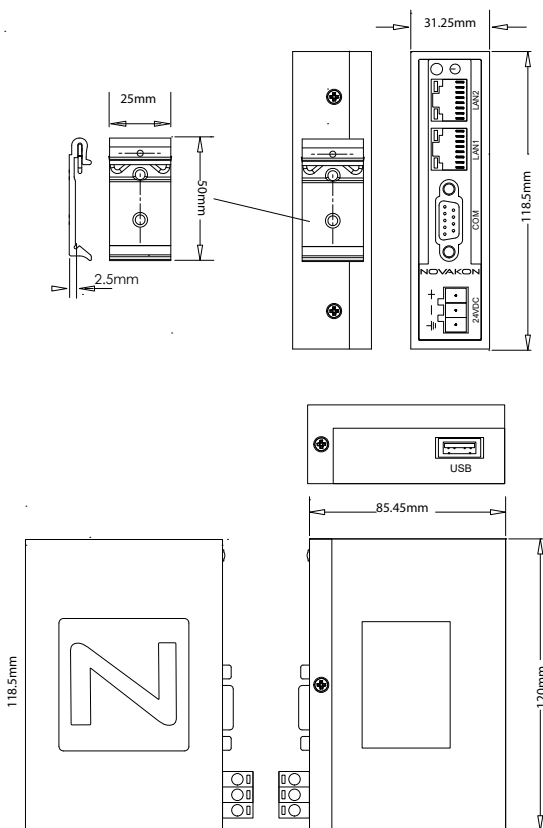


### Features

- TI Sitara™ AM3352 ARM® Cortex™-A8 1GHz CPU
- Ethernet ports x 2 ; COM port x 2 (DB9 x1)
- 19.2 ~ 28.8V, Isolated Power
- Isolated Communication Port
- Fan-less, compact design
- PCB conformal coating protection
- -20°C~70°C wide operating temperature
- Metal chassis, DIN-rail mounting
- Powered by Novakon Software iM-Connect®

### Specifications

<b>CPU</b>	TI Sitara™ AM3352 ARM® Cortex™-A8 1GHz CPU
<b>Memory</b>	512MB SDRAM (1GB option)
<b>Thermal Design</b>	Fanless
<b>Conformal Coating</b>	Yes
<b>Storage</b>	4GB eMMC (8GB option)
<b>USB Host</b>	1
<b>Serial Port</b>	1 x RS-232, 1 x RS-422/485
<b>Ethernet</b>	2 x 10/100 Mbit Ethernet Port
<b>Power Connector</b>	3-Pin terminal block
<b>Dimensions (mm)</b>	120 x 85.45 x 31.25
<b>Net Weight (kgs)</b>	0.45
<b>Power Input Range</b>	19.2 ~ 28.8V, Isolated Power
<b>LED Indicator</b>	1
<b>Chassis Material</b>	SECC
<b>Mounting</b>	25mm DIN-rail mounting
<b>Accessories</b>	Setup Manual x 1, 25mm DIN Rail Clip x 1, M3x6mm flat head screw x 2, Recovery USB Drive x 1
<b>Operating Temp.</b>	-20°C~70°C
<b>Storage Temp.</b>	-20°C~80°C
<b>Storage Humidity</b>	10%~90% @40°C (non-condensing)
<b>ESD Protection</b>	Contact Discharge 4kV, Air Discharge 8kV
<b>Certification</b>	CE/FCC (EN 61000-6-4, EN 61000-6-2, EN55032, EN55035), Class A
<b>Software</b>	iM-Connect®



### Ordering Information

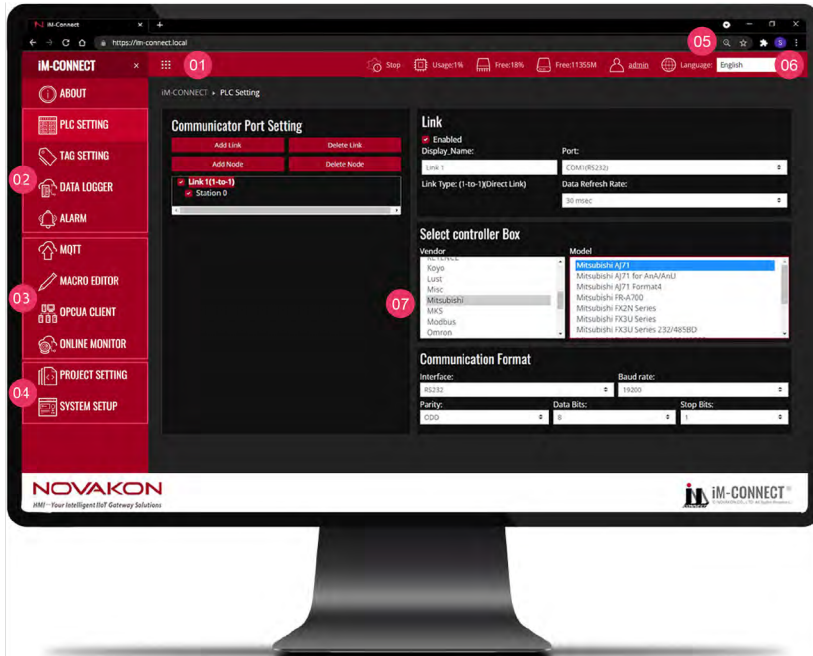
#### GW-01

Compact DIN-rail Gateway with ARM Cortex-A8 (1GHz) CPU, 512MB RAM, 4GB eMMC, dual Ethernet ports, 19.2 ~ 28.8V isolated power, metal chassis, iM-Connect®

**NOVAKON**

## iM-Connect<sup>®</sup> Web-based Protocol Conversion Software

- 01 iM-Connect Menu**  
Contains the directory of each iM-Connect functions.
- 02 Basic Settings**  
The setup of PLC, tag, data logger, and alarm are identical to iFace Designer. Easy hands-on across two softwares without efforts.
- 03 Advanced Settings**  
Advanced functions including MQTT, Macro, OPCUA, Online Monitor, etc.
- 04 Project and System Setup**  
Project and system related settings, such as save and compile, download/upload, start/stop of the project; System operating status, network parameters, date and time, and security settings.



















- 05 Gateway URL**  
Enter the URL into the web browser to access the iM-Connect webpage.
- 06 System Status Bar**  
View the current usage and remaining capacity of the system as well as runtime status, username and current selected language.
- 07 Function Setting Area**  
Select and configure the parameters of each functions.



▲ Novakon GW-01 is powered by a web-based and simple-to-use programming software, iM-Connect<sup>®</sup>, that supports a variety of industrial communication protocols, PLC drivers, and IIoT Cloud connections as simple but reliable protocol conversion and data acquisition solution, enabling dataflow communication from legacy equipment to IT network effortlessly.

## iM-Connect<sup>®</sup> Software Features

-  **Web-based Software**  
HTML5
-  **Codesys PLC Handler**
-  **Real-time Data Monitor**
-  **Report Export**  
Data Logging / Alarm History
-  **PLC Driver Database**  
Modbus RTU / Modbus TCP / IP / CANOpen / BACnet
-  **SECS / GEM (option)**  
SEMI E4 / E5 / E30 / E37 / PCBECI
-  **Online Upgrade**
-  **Data Acquisition**  
MySQL / MS SQL / SQLite
-  **MQTT Protocol**  
Broker / Client
-  **Open VPN**
-  **Alarm Notification**  
Email / SMS / Line
-  **OPC UA**  
Server / Client
-  **User Management**
-  **Programmable Macro**  
JavaScript
-  **Cloud Connection**  
Amazon AWS / Microsoft Azure / Google Cloud
-  **USB File Back-up**  
Datalog / Alarm History

▲ Novakon protocol conversion gateway is the perfect solution to help the challenging work for legacy equipment upgrade, data acquisition and protocol conversion across all industries whether it is for factory automation, agriculture technology, building automation, energy management, etc...

Need further information, pay a visit to our website [www.novakon.com.tw](http://www.novakon.com.tw), or drop an email to [sales@novakon.com.tw](mailto:sales@novakon.com.tw)