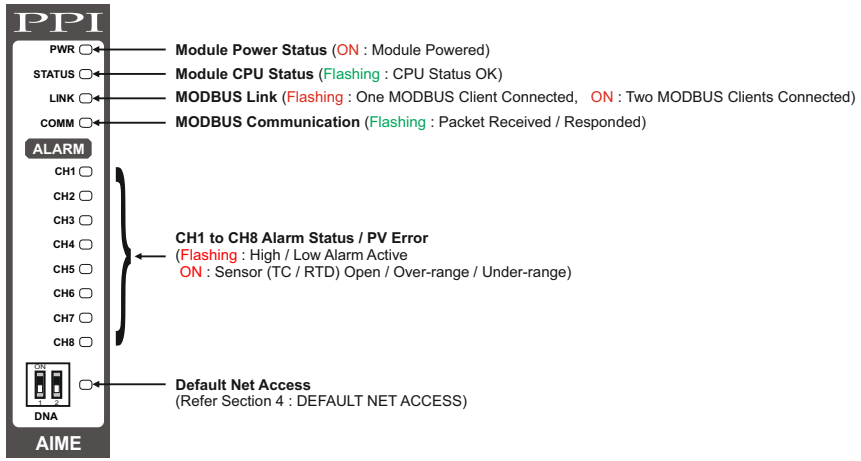
AIME 4U / AIME 8U
4 / 8 Universal Analog Input Channels
DIN-Rail Mount
MODBUS over TCP/IP
Built-in Web Pages for Configuration & Settings

Operation Manual

This brief manual is primarily meant for quick reference to wiring connections and parameter searching. For more details on operation and application; please log on to www.ppiindia.net

PPI
The Perfection Experts

► Front Panel

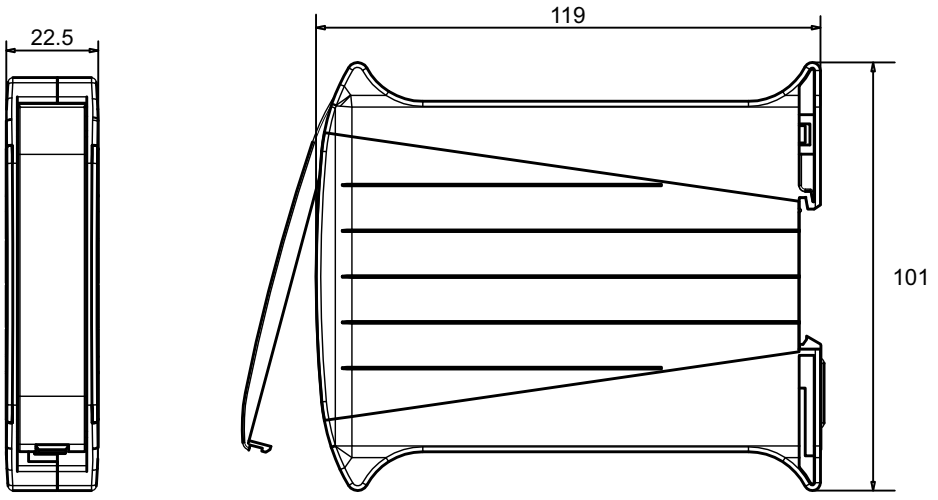


Module Power Status (ON : Module Powered)
Module CPU Status (Flashing : CPU Status OK)
MODBUS Link (Flashing : One MODBUS Client Connected, ON : Two MODBUS Clients Connected)
MODBUS Communication (Flashing : Packet Received / Responded)

CH1 to CH8 Alarm Status / PV Error
(Flashing : High / Low Alarm Active
ON : Sensor (TC / RTD) Open / Over-range / Under-range)

Default Net Access
(Refer Section 4 : DEFAULT NET ACCESS)

► Dimensions (mm)



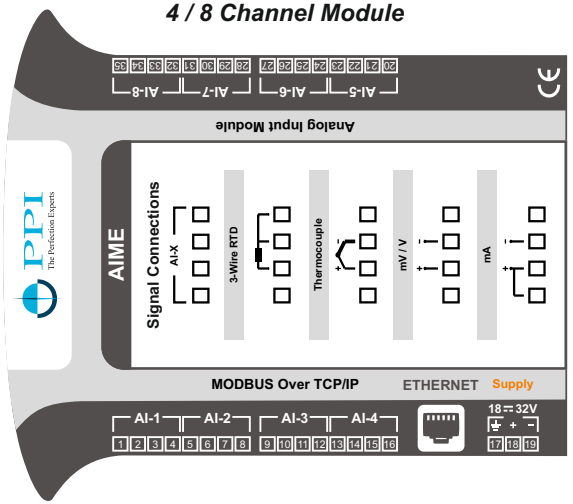
Front View

Side View

Width (W) : 22.5 mm	Height (H) : 101.0 mm	Depth (D) : 119.0 mm

► Electrical Connections

4 / 8 Channel Module



Note : For 4 Channel Version the connectors from AI-5 to AI-8 are not fitted.

► Access using Default Net Settings

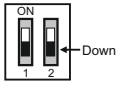
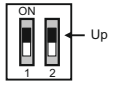
Switch Position	 Down	 Up
Operation Mode	Normal	Default Net Access
Mode Indicator	OFF	ON
Network Access Settings	User-Configured Settings	Default Settings (Refer Table-1)

Table-1

Parameter	Default Value
Static IP Address	192.168.1.2
Gateway	192.168.1.1
Subnet Mask	255.255.255.0

2-way DIP Switch for Default Net Access

Mode Indicator LED
ON : DNA Mode
OFF : Normal Operation Mode

► Initial Setup Procedure

The following steps outline how to prepare the module for its **first use**:

1. Power and Ethernet Connections
   - Connect the module's Ethernet port directly to a PC using a standard straight-through Ethernet cable or through a hub, switch, or router.
   - Ensure the module is powered on.

2. Default Network Settings
   The module is pre-configured with the following network parameters:
   - Static IP Address : 192.168.1.2
   - Gateway : 192.168.1.1
   - Subnet Mask : 255.255.255.0

3. PC Network Configuration
   - ➢ On a Windows PC, navigate to:
     - *Control Panel* > *Network and Sharing Center* > *Change adapter settings*.
     - Right-click the active network adapter, and click *Properties*.
     - Select *Internet Protocol Version 4 (TCP/IPv4)*, and click *Properties*. Refer Figure 1.
   - ➢ Modify the PC's network settings to match the module's default network parameters. Refer Figure 2.
     - IP Address: Assign a compatible address in the range 192.168.1.x (e.g., 192.168.1.10), avoiding 192.168.1.2.
     - Subnet Mask: 255.255.255.0
     - Gateway: 192.168.1.1

Figure 1

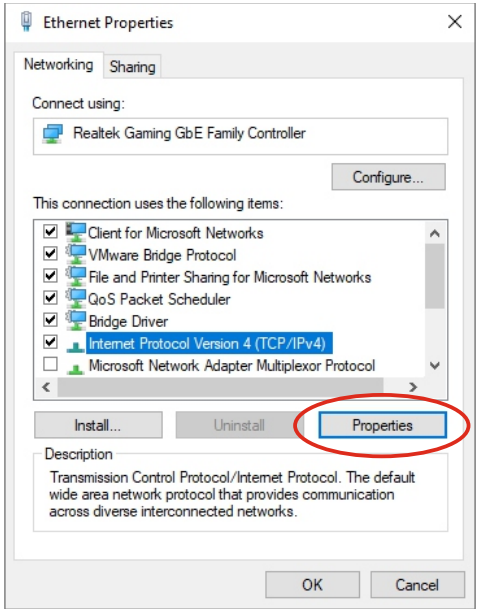
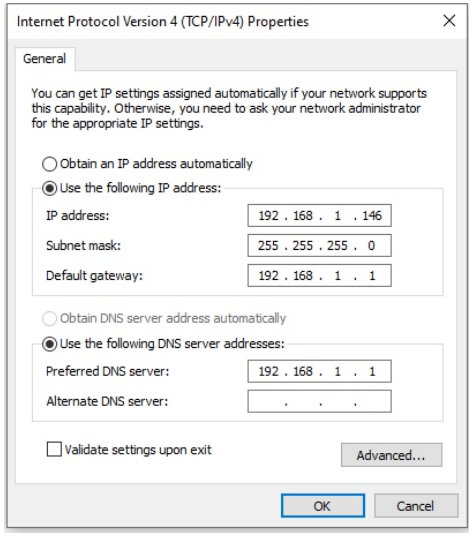
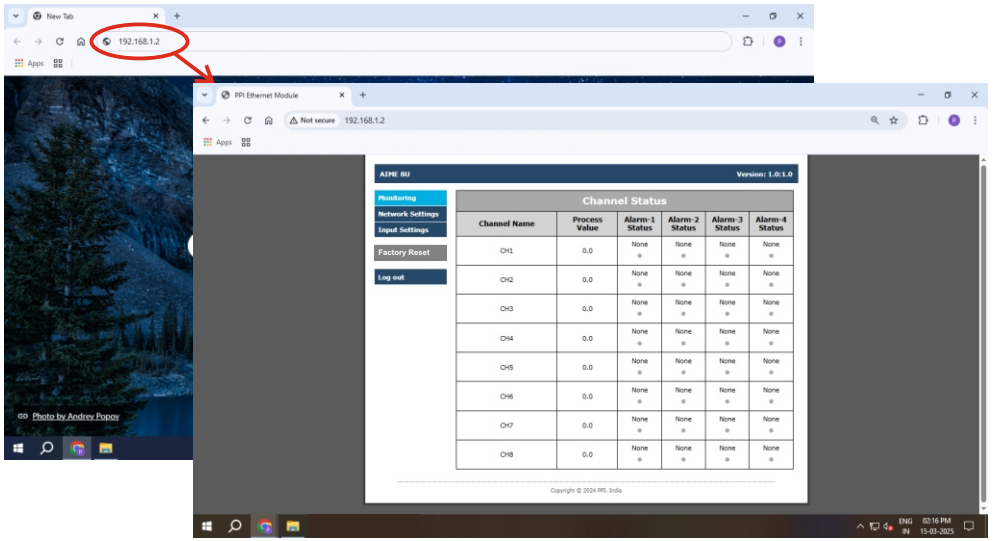


Figure 2



4. Accessing the Web Interface
   - Open a web browser and enter the default IP address (192.168.1.2) in the address bar.
   - The module's home page (Monitoring) will load.



5. Configuring the module:
   - Navigate to the Network Settings page to customize the module's network parameters for integration into your existing network.
   - Proceed to the Input Settings page to configure individual channel parameters such as input type, display range, and alarms.

Next Steps

Once the module is successfully configured using the web interface, it can be seamlessly integrated with host modules such as HMI, PLC, or PC for data acquisition and factory automation applications.

PPI
101, Diamond Industrial Estate, Navghar,
Vasai Road (E), Dist. Palghar - 401 210.
Sales : 8208199048 / 8208141446
Support : 07498799226 / 08767395333
E: sales@ppiindia.net, support@ppiindia.net

Jun 2025