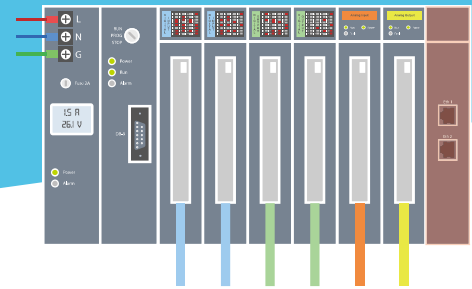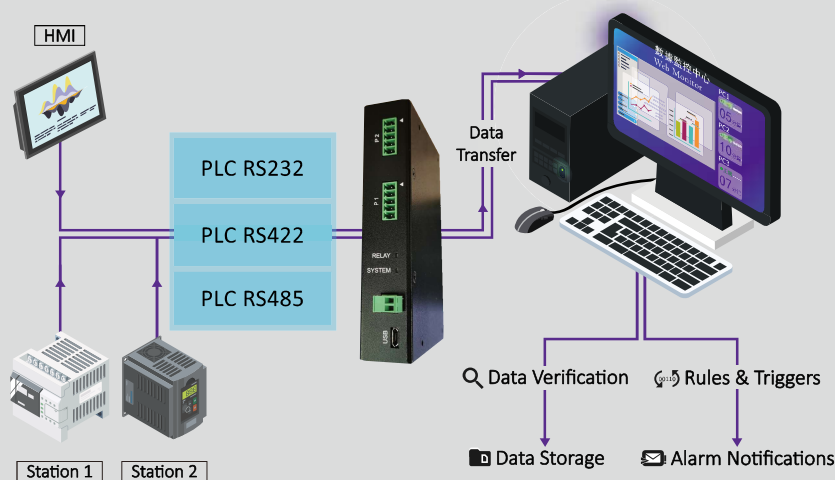# PLC PLUS

PLC Data Collection & Control
Industrial Two-way Data System

No I/O points available on the existing PLC system to add a module for communication.

The PLC PLUS gateway module captures input and output communication from the PLC controller to collect production data. Emulation of the HMI signal allows users to operate the PLC through a virtual HMI on a computer and add customized controls. Previously undisplayed data, such as data from management systems, can also be shown on the virtual HMI to facilitate on-site operations.

The PLC PLUS can be installed to existing systems without any change to the original hardware setup or logic programming. Open API and customization services are available for specific functions and integrations.

HMI

PLC RS232

PLC RS422

PLC RS485

RELAY SYSTEM

Data Transfer

Station 1   Station 2

🔍 Data Verification   Rules & Triggers

Data Storage   ✉ Alarm Notifications

PLC-base Equipment

▶ Collect Production Data
▶ Control PLC Remotely
▶ Communicate with MES
▶ Access Encrypted Systems

⚙ Emulate HMI Signal

The HMI signal can be emulated through the PLC PLUS, allowing operators to control the PLC through a virtual HMI on a computer.

⚙ Add-on Module

No need to alter the existing PLC hardware setup or its logic programming.

Communication between the PLC and HMI is not affected in the event PLC PLUS fails.

⚙ Multiple Protocols

The PLC PLUS supports MQTT, TCP/IP, RS232, RS422, and RS485.

Data can also be transferred using Modbus TCP, MES, or API.

Providing You Data Solutions for the Edge

Technical Specifications

LED Indicators	Power (System), Control (Relay), Mode (RS232 / RS422 & RS485)
USB	Micro USB connecter, full speed
Ethernet	10/100 Mbps, full-duplex
Communication Interface	Serial Port 1: RS232 / RS422 / RS485 Serial Port 2: RS232 / RS422 / RS485
Communication Format	Data Length: 7/8 bit Parity: None / Even / Odd Baud Rate: Max 250000 bps
External Communication	MQTT / TCP
Power	DC 24V/100mA, Euro style connection
Dimensions	124mm (W) x 79.2mm (D) x 25mm (H) 4.9in (W) x 3.1in (D) x 1.0in (H)
Weight	0.3 kgs / 0.66 lbs
Mounting	Din Rail / Mounting Plate
Operating Temperature	-40°C to 70°C
Certification	CE, FCC
Warranty	1 Year

Supported PLC Controllers

BRAND	FORMAT	SUPPORTED FUNCTIONS
PANASONIC	MEWTOCOL	Data Collection
TOSHIBA	TC200	Data Collection
RKC	FAREX	Data Collection
KEYENCE	HEX	Data Collection / Operation
HMI	ESC	Data Collection / Operation
OMRON	FINS	Data Collection
	HOSTLINK	Data Collection / Operation
	IPC	Data Collection / Operation
MITSUBISHI	FORMAT4	Data Collection / Operation
	FORMAT5/5C	Data Collection
	FORMAT5/5C/woINTER	Data Collection / Operation
	FORMAT5/BIN	Data Collection / Operation
	ACPU	Data Collection
	FX2N	Data Collection / Operation
	IPC	Data Collection / Operation