

IoT Products series

Cloud Gateway

Ethernet IO Gateway



DevicePort Remote I/O Module(DIO/AIO)

		Industrial			
AI model	DIO model	Serial model	AI model	DIO model	Combo model
EZR5231 4-port AI	EZR5002 2-port DI 4-port DO	EZISNNN40 4-port COM	EZIAINN80 8-port AI	EZIDIDFF 32-port DI	EZIAIDI8F 8-port AI 16-port DI
	EZR5003 3-port DI 3-port DO	EZISNSN44 8-port COM		EZIDC8N80 8-port DI 8-port DO	EZIAIDC88 8-port AI 8-port DI 8-port DO
	EZR5004 4-port DI 2-port DO			EZIDIDOFF 16-port DI 16-port DO	

DevicePort Remote I/O Module (RS-232/422/485)

DPA301HTP 1-port RS-232/422/485	DPAD02HTP 2-port RS-232/485	DPAS01D00 1-port RS-232	DPAS02H00 2-port RS-232	DPAS04H00 4-port RS-232	DPAS08H00 8-port RS-232
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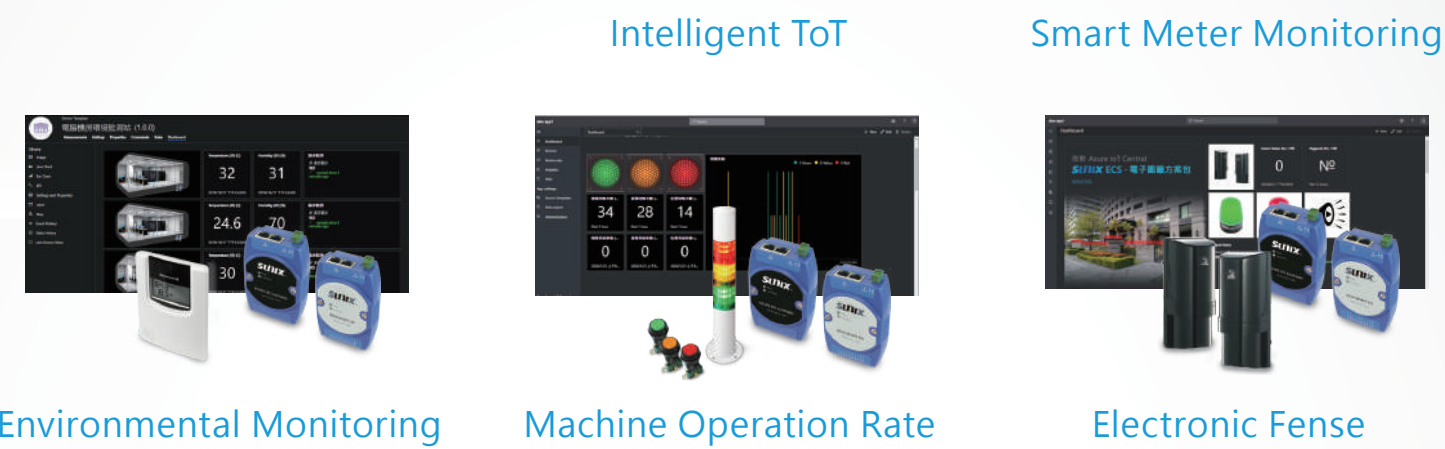
PCIe Expansion Card

RS-232	M2S6437A 2-port RS-232 M.2 PCIe Card (Type-2242)	M2S6456A 4-port RS-232 M.2 PCIe Card (Type-2242)	RS-422/485	IPC-M2202S Industrial 2-port RS-422/485 M.2 PCIe Card w/Surge (Type-2280)	IPC-M2204S Industrial 4-port RS-422/485 M.2 PCIe Card w/Surge (Type-2280)	DI/DO	IPC-M344I 4-Ch Digital in 4-Ch Digital Out Industrial Isolated M.2 Card
Industrial	SDC0880I 8-Ch Digital In 8-Ch Digital Out Industrial PCIe Card	SDC4880B 2-port internal RS232/422/485 2-port external RS232/488/485 8-Ch Digital In 8-Ch Digital Out Industrial PCIe Card	SDC0FF0I 16-Ch Digital in 16-Ch Digital Out Industrial Isolated PCIe Card				

Serial Device Server

2-port	IDSX02DW0 RS-232	IDSX04DW0 RS-232	IDSX08DW0 RS-232	Commercial version	CDSS02D00 RS-232
	IDS02DW0 RS-422/485	IDS04DW0 RS-422/485	IDS08DW0 RS-422/485		CDSX02D00 High Speed RS-232
	IDS302DW0 RS-232/422/485	IDS304DW0 RS-232/422/485	IDS308DW0 RS-232/422/485		
	IDS302DWS RS-232/422/485 w/ Surge & Isolation	IDS304DWS RS-232/422/485 w/ Surge & Isolation	IDS308DWS RS-232/422/485 w/ Surge & Isolation		

ECS Application Kits



SUNIX ECS (EAZInet & IoT Central Solution) Starter kit simplify retrieving data from sensors and devices in the cloud, enabling workers and managers to monitor equipment. This type of equipment monitoring can be catered to the needs of a company (e.g. energy and environmental monitoring). It' s compliant with any interface of sensors. Setting up SUNIX IoT Central Starter kit only takes a few simple steps. It' s available for an extremely low monthly leasing fee, eliminating the cost associated with procurement and maintaining server hosts.

- Non-invasive transformation
Safely obtaining data without breaking into machine.
- Simplify personnel operation
Fully control without additional operation mechanisms.
- No programing experience needed
SUNIX integrates with Microsoft Azure IoT Central, bring out brand new experience in device control.
- Microsoft Azure IoT Central
Data event log, Dashboard display, Big data analysis, Graphical report, and many more available services.

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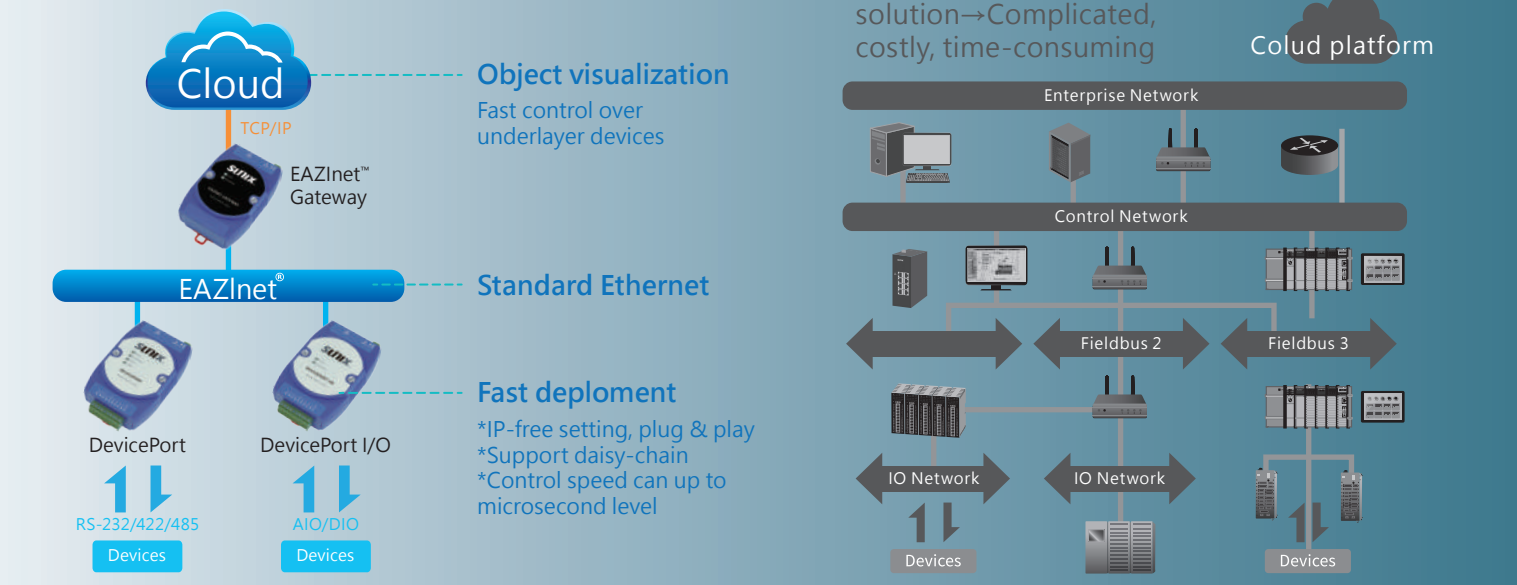
SUNIX EAZInet®-patented Communication Technology

The transmission architecture of EAZInet underlayer is build upon high efficient Ethernet, flexible and innovative I/O expansion technology. It provides a brand-new way to I/O expansion, in which underlayer equipments get online through "plug & connect" without any IP address setting and management. Users can easily upload data from underlayer equipments to cloud through standard network protocol.

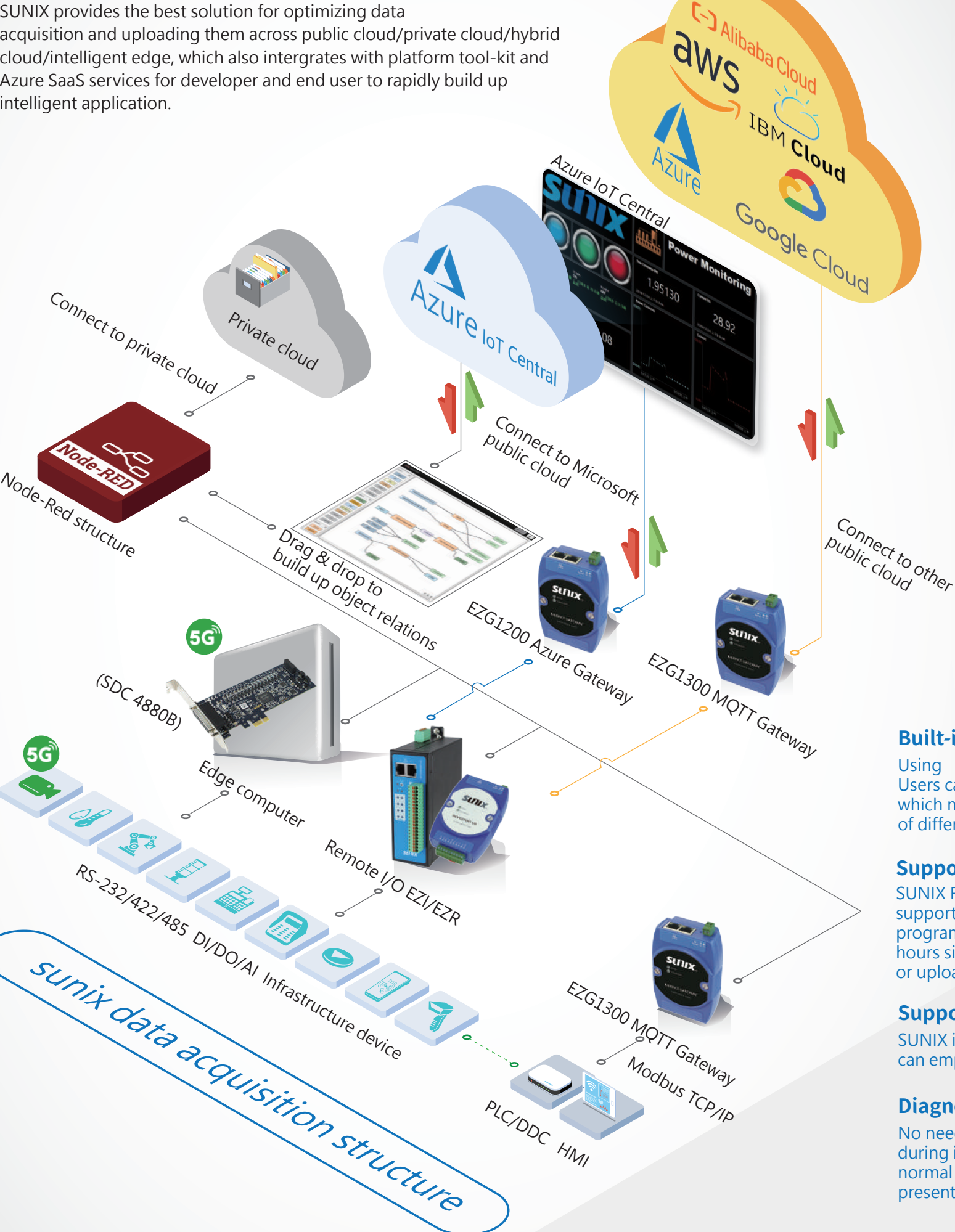
EAZInet-patented technology supports the functions of automatic numeration and data visualization, which helps platform developers easily identify connected equipments, rapidly deploy and control end devices in order to perform the tasks of data acquisition and analysis for application development.



EAZInet® and Traditional Network

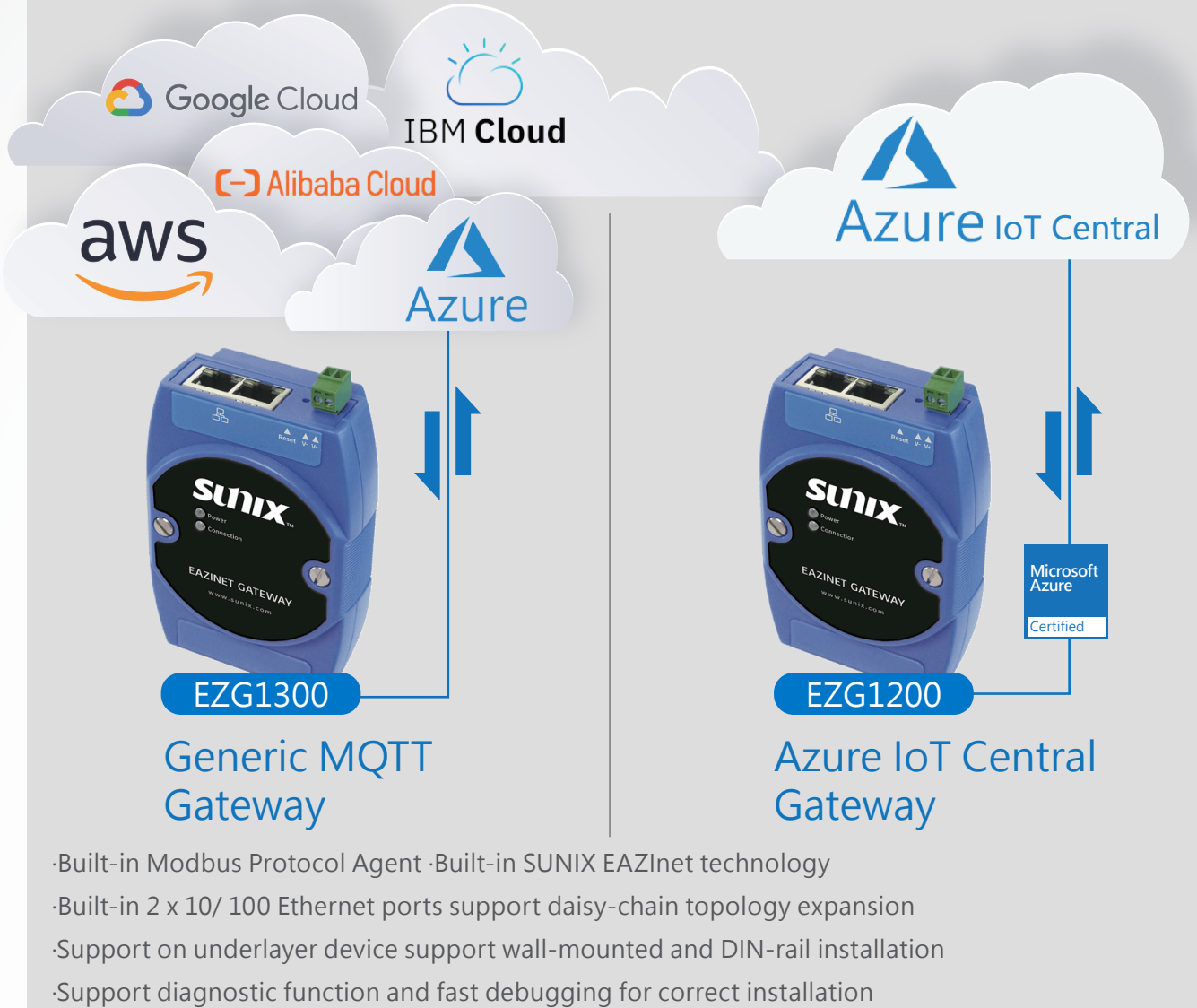


SUNIX Data acquisition architecture



The best cloud gateway

Support all device data uploading to cloud



Built-in Modbus Protocol Agent

Using "Agent" to acquire Modbus data and translate it into MQTT cloud Protocol. Users can also set the device parameters of Modbus and Analog-in by themselves, which means that users can integrate their existing devices or choose various sensors of different brands in cost effective way.

Support Node-RED software platform

SUNIX Remote I/O (EZI/EZR series) and intelligent I/O card (SDC series) support mainstream IO software platform of NODE-RED which requires no programming efforts. Users can build up digital dashboard within a few hours simply through drag & drop objects while storing information locally or uploading to Azure cloud simultaneously.

Support Edge-X advanced development

SUNIX intelligent I/O card and Remote I/O series both support Edge-X, users can employ Go language to rapidly build up intelligent IoT platform.

Diagnostic - intelligent debugging

No need on using extra tool. Users can rapidly identify and rule out problem during installation as soon as logging into Web-based manager to ensure normal communication among underlayer devices and correct information presenting on cloud digital dashboard.

Simple 4 steps

- 1 Device connection**
Ethernet I/O module (UART · DIO · AIO)
- 2 Interface setting**
Reading sensors' information status (Modbus · String · Float · Int)
- 3 Service setting**
Activating Microsoft Azure IoT Central services
- 4 Console setting**
Arranging Azure IoT Central graphic interface