



## IoT Gateway "DeviceGateway"



## IoT Gateway DeviceGateway



### Bridge the gap between production sites and IT systems -Utilize to create added value from production site data-

IT Side: MES, SCADA, WEB services, Cloud services, etc.

### IoT Linkage

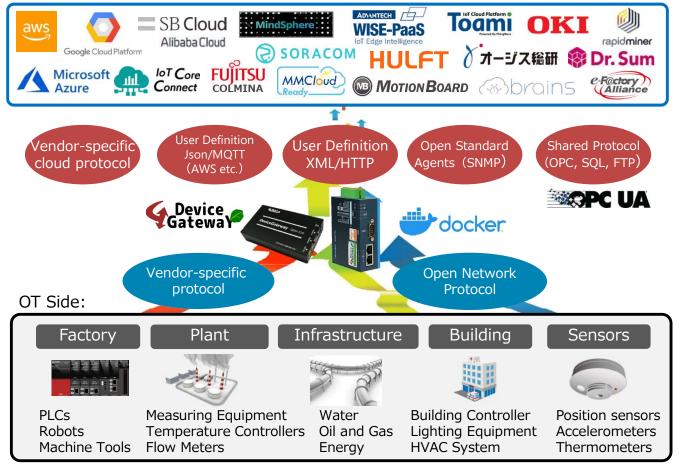
Equipped with linkage functions for many IoT services, without any programming.

### Connectivity

Supports communication with more than 320 series devices from 80 vendors.

### Multiple Models

Hardware Models and Software Models (Docker Container)



Other

DIO/AI

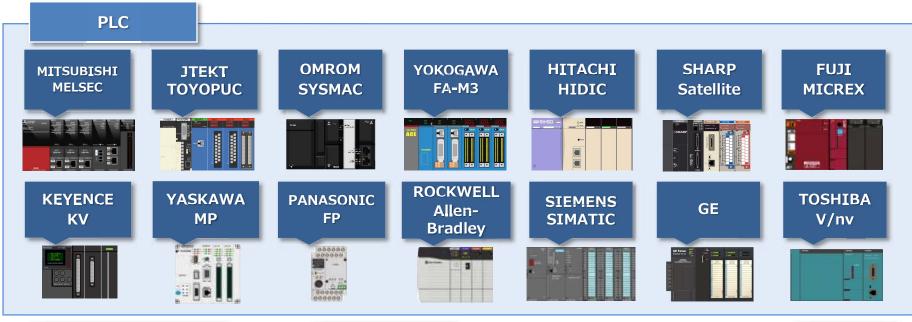
Serial Interface

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Bluetooth

**Beacon** 

## DeviceGateway Connectivity



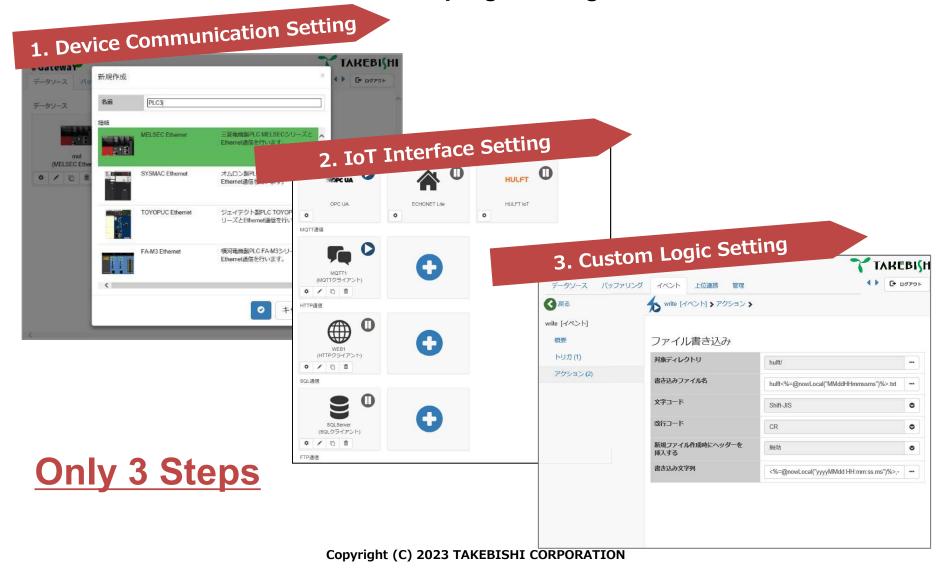






# DeviceGateway Simple Operation

Transmit the production data from devices to host systems without programming



### Easy to embedded custom logic

- Custom logic with no-code.
- Just select a trigger and actions.
- Various triggers and actions are provided.

#### Trigger

- Cycle
- Time
- Value Change
- Alarm Change
- MQTT Receive etc.

#### Action

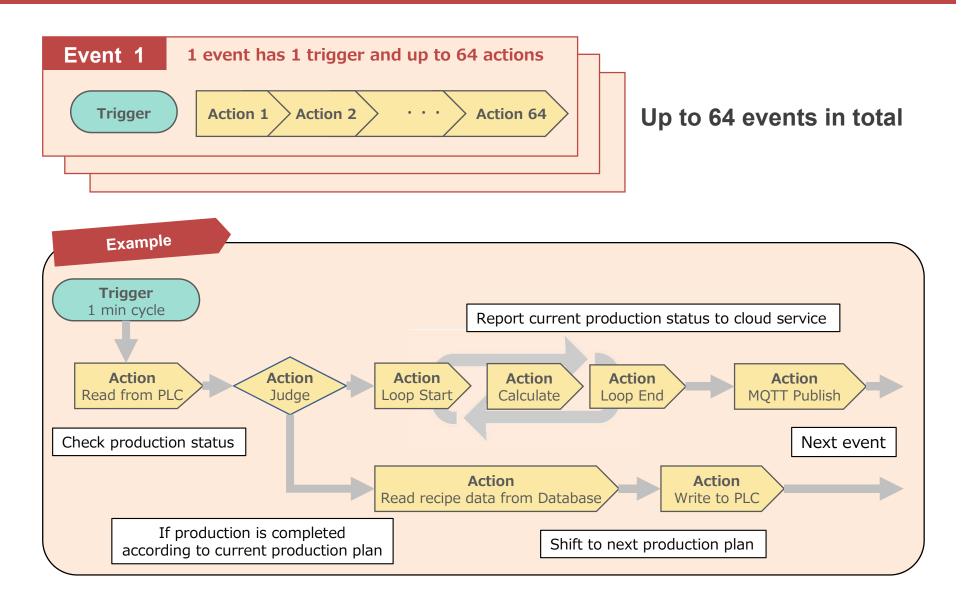
- Read from PLC
- Write to PLC
- File Operation
- SQL Query
- HTTP Request
- MQTT Publish

- Calculation
- Edit text
- Send UDP message
- Extract buffer records
- Output log message

etc.







# DeviceGateway Features

| Item   | Description  |
|--|--|
| Product Type                                 | <ul><li>Hardware Type (IoT Gateway Unit)</li><li>Software Type (Docker Container)</li></ul>  |
| Supported Interfaces                         | <ul> <li>OPC UA Server (Data Access)</li> <li>MQTT Publisher/Subscriber</li> <li>HTTP Client</li> <li>FTP Server / Client</li> <li>SQL Client</li> <li>AWS Kinesis</li> <li>HULFT IoT Agent</li> <li>SIEMENS MindSphere Agent</li> <li>SNMP Agent</li> <li>iQ Monozukuri etc.</li> </ul> |
| Maximum devices counts<br>Maximum tag counts | (Hardware Type) - 8 devices / 8,192 tags (Software Type) - 1 devices / 1,024 tags (Basic model) - 16 devices / 16,384 tags (Normal model) - 64 devices / 65,535 tags (High specification model)  |
| Features                                     | <ul><li>Web configuration</li><li>Event function (custom logic with no code)</li><li>Data buffering etc.</li></ul>   |

## DeviceGateway Lineup

### Compact Model DGW-C10



- Standard compliant (CE / CSA)
- Serial 1 port (RS232C)
- Power Supply Input: AC 100-240V (The AC power cord must be procured in local country.)

### Standard Model DGW-W710



- China Compulsory Certification (CCC) exemption application completed.
- Safety Standard (CE/FCC/UL)
- Equipped with DIO terminal (Input 4ch/Output 4ch)
- DIN rail mounting
- 3 serial ports (RS232C x 1, RS485 x 2)
- Power Supply Input: DC 24V

Software Model
DeviceGateway on
Docker



- Software model provided by "Docker" container which is based on virtualization
- Embedded in edge computer(Linux and Windows)
- Other application linkage
- Max 64 devices connection (8 devices in other lineups)
- Max 65,535 tags (8,192 tags in other lineups)

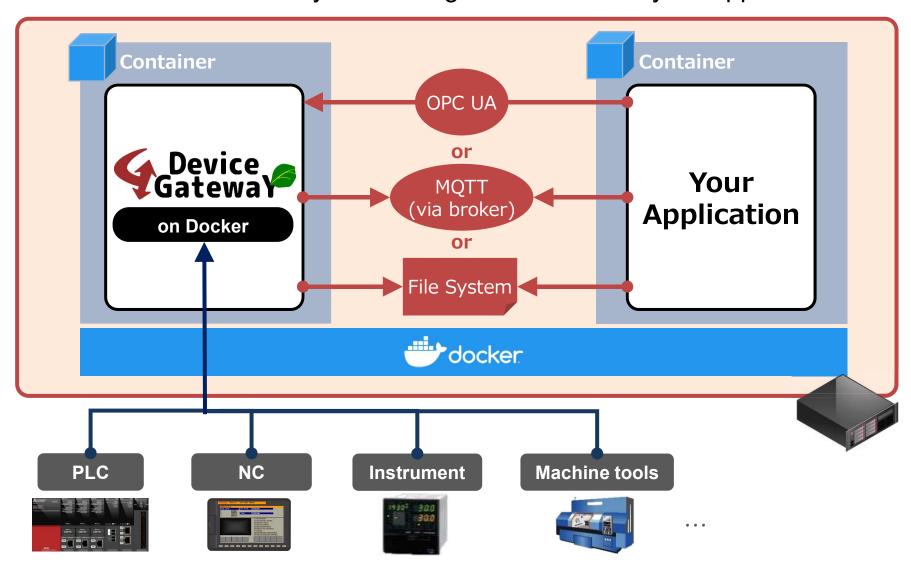
MELSEC-Q Model Q24DHCCPU-LS-B040



- space-saving
- Resistance to environment

## DeviceGateway Software Model

Embedded DeviceGateway on the edge and work with your app.



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