

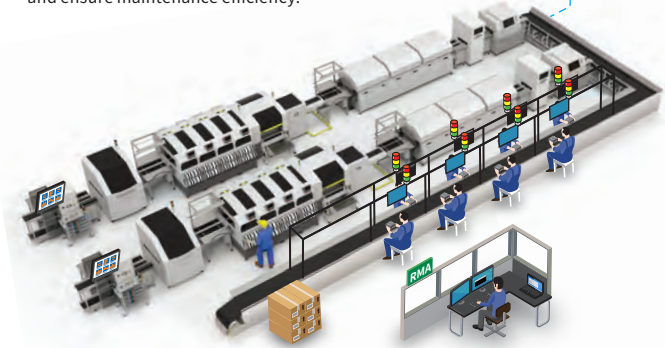
Application Kits

Utilization Rate & Maintenance Quality Kit

- Machine Utilization Analysis
From analyzing the meter data
- Environment Quality Detection
Monitor real-time temperature and humidity to ensure process stability
- Maintenance Efficiency Confirmation
Display the operating status with the stack light, and use the confirmation button to record and ensure maintenance efficiency.



Microsoft
Azure
IoT Central



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Air Quality Monitoring Kit

- Monitor & collect environmental data automatically all times
- Monitor data history in the cloud
- Alert Automatically when temperature, humidity, CO₂ or PM2.5 is off the limit



Power Monitoring Kit with Smart Meter

- Real-time monitor of voltage, current and load (KWH)
- Automatically send alarm notification when power consumption is abnormal
- Monitor various districts' meters through Azure public cloud



Utilization Monitoring Kit with Stack Light

- Efficient management, precise staffing and utilization-tracking
- Information is available at any time with graphalized productivity data
- Supported by Microsoft Azure cloud analysis services

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Microsoft Azure IoT Central Starter Kit



- No programming ▶
- Non-invasive ▶
- Simplified operation ▶
- Fast deployment ▶



Microsoft Azure IoT Central Starter Kit



Non-invasive transformation

Safely obtaining data without breaking into machine.



Simplify personnel operation

Fully control without additional operation mechanisms.



No programming 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.

SUNIX IoT Central 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.

★ Microsoft Azure IoT Central

Azure IoT Central is a fully managed global IoT SaaS (software-as-a-service) solution that makes it easy to connect, monitor, and manage your IoT assets at scale.

★ SUNIX EAZInet™ Technology

EAZInet is a high-efficiency transmission technology developed by SUNIX based on Ethernet. It can quickly connect devices to the network and collect information from the field devices directly to the cloud.

- Plug-n-play
- Provide various interfaces for different devices
- No complicated IP setting, reduced effort of management
- Easy to deploy, easy to use, easy to setup

Application Architecture



Comparison

Solution	Other Solutions	SUNIX Solution Kit
Feature		
Sensor Interpretation	Develop by yourself	Interpreted data provided
Sensor/Device Layer Communication Layer Dashboard	Integrate by yourself	Integrated
On-site POC Construction Time	Takes about 1~2 months to develop by yourself	Finish within 2 hours
Cloud Service Fees	Charging by: - Data flow - Cloud storage - Device Quantities	<p>Microsoft Azure IoT Central</p> <p>FREE Program</p> <ul style="list-style-type: none"> · Less than 5 SUNIX Gateways · Less than 1KB per packet · Less than 50K packets per month <p>After 50K packets - NTD.150 per 1 million packets</p> <p>Don't count bottom device quantities (1 SUNIX Gateway can expand up to 10 DevicePort modules)</p>
Security Level	Maintain by yourself	Microsoft provides world-class protection
Wiring Method	Handle by yourself	Complete wire set & wiring diagram provided
Cloud Service Functions	Develop by yourself	<p>Functional Settings:</p> <ul style="list-style-type: none"> · Data upload frequency per second · Sensor's upper and lower value limits · Email settings for alert messages <p>With Hundreds of Azure services available</p>

4 Simple Steps

Complete Your Smart Application in 120 Mins!

