FATEK IoT

A device now within arm's length
makes monitoring and maintenance easy.

iMONITOR — iACCESS

FATEK

fatek.com

FATEK IoT

FATEK IoT offers innovative IIoT solutions for cost-effective, rapid, and intuitive device connectivity.

It enables remote dashboards, project maintenance, and integrated data analysis—featuring GPS tracking, alarms, and historical trends for total operational control.

FATEK IoT boosts efficiency and provides a scalable foundation for digital operations, accelerating your transition to smart manufacturing.

Remote Maintenance Without Gateway and Module

FATEK IoT leverages data to boost performance and productivity, ensuring precise equipment control to drive sustainable growth.

WHY FATEK ?

Manage Everything, Anywhere

Remotely **Monitor**, **Maintain**, **Update**, and **Troubleshoot** global devices from anywhere. Eliminate travel for on-site support and bring efficiency to your fingertips.
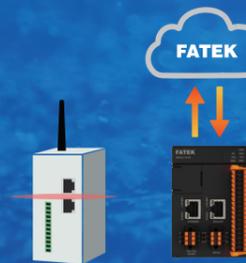
IoT READY: No Gateway Required

Start instantly without extra IoT gateways. FATEK PLCs and HMIs feature built-in IoT, enabling applications in a time-saving, labor-saving, and cost-effective way.

How FATEK IoT Makes Your Day

Scan to Watch on YouTube

iMONITOR

Monitoring of globally distributed devices through a centralized dashboard for instant operational insights.

iACCESS

Effortless remote updates and maintenance. Live screen monitoring without on-site visits.

iLOCATION

Real-time location visibility. GPS integration for precise management.

iMONITOR

The iMonitor IoT service enables monitoring and collection of distributed device data world-wide. Regardless of data volume or complexity, it presents information through an intuitive browser-based platform, allowing comprehensive control from any location.

Monitor x Data Log x Alarm x Trend Location

Learn more with Video

PLC Alps

HMI Istanbul

FATEK®

HMI New York

PLC Mumbai

HMI Nuremberg

PLC Taipei

Water Level System X	Injected Water Zone X	Target Water Database X	Used Water Tank X
87 %	1,503	2,450	4,220

Meter & Gauge

Control Interface

30%

Pump 1   Pump 3
Pump 2   Pump 4

Speed 1
Speed 2

Percentage

70%   34%

Water Injection Status Description

Current Injection Status

Operational Monitoring Overview

Dashboard
Monitor multi-device data with custom dashboards. Configurable gauges, sliders, buttons, and indicators.

Data Collection & Cloud Database
Securely collect and store data with full historical export available anytime.

Alarm Notifications
Real-time alerts via SMS, Email, or App.

Trend
Trend charts for historical & real-time data. Intuitive analysis and comparison of data changes.

Dashboard

Beyond Boundaries, Data Always Online

Boundless Data, Total Control

· Visualized Cloud Data Collection
· Instant Alarm Notifications via APP/Email

FATEK IoT SOLUTION   Your One-Stop IoT Control Platform

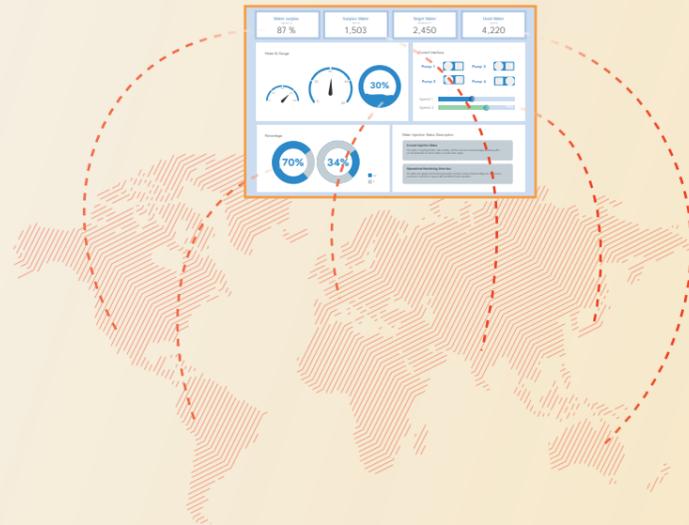
Dashboard

Complete Dashboard Widgets

Data at a Glance

PC   Phone   Pad

FATEK IoT SOLUTION

iMonitor
IoT Demo

Services
- Data
- ILocation
- Dashboard

Management
- User
- Groups and DataItems
- Devices
- My Dashboard
- Resource Usage

Water Level System A 87 %
Injected Water Tank B 1,503
Target Water Database C 2,450

Meter & Gauge   30%

Control Interface
Pump 1
Pump 2
Speed 1
Speed 2

Percentage   70%   34%

Water Injection Status Description

Total Device Control at Your Fingertips

Monitor global devices via a single dashboard. Centralize complex data into one clear view for effortless, total control anytime, anywhere.


Sharing & Access Control

Use sub-accounts to securely share dashboards for flexible teamwork. Granular permissions for individual components prevent unauthorized access, maximizing management and collaboration efficiency.

Cross-Platform Compatibility

Supports Browser/Android/iOS. Customize layouts for PC, Mobile, and Tablets with adjustable resolutions for an optimized, device-specific experience.

Website   Android   IOS
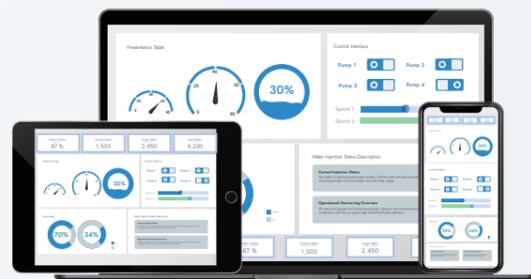
Real-Time Sync & Collaboration

Seamlessly link dashboards across browsers and apps. All status changes or parameter updates sync instantly to every terminal. This integrated cloud platform ensures precise and high-efficiency remote teamwork.

iLOCATION

iLocation IoT services can clearly display devices and locations on the map. A dynamic update feature is also supported, thus further achieving dynamic tracking and trajectory tracking applications. The map display method ensures more intuitive device monitoring and substantively enhances group management efficiency.

Location x Positioning x Tracking

Device Location

Support manual GPS entry or external modules. Map-based display for effortless device management.
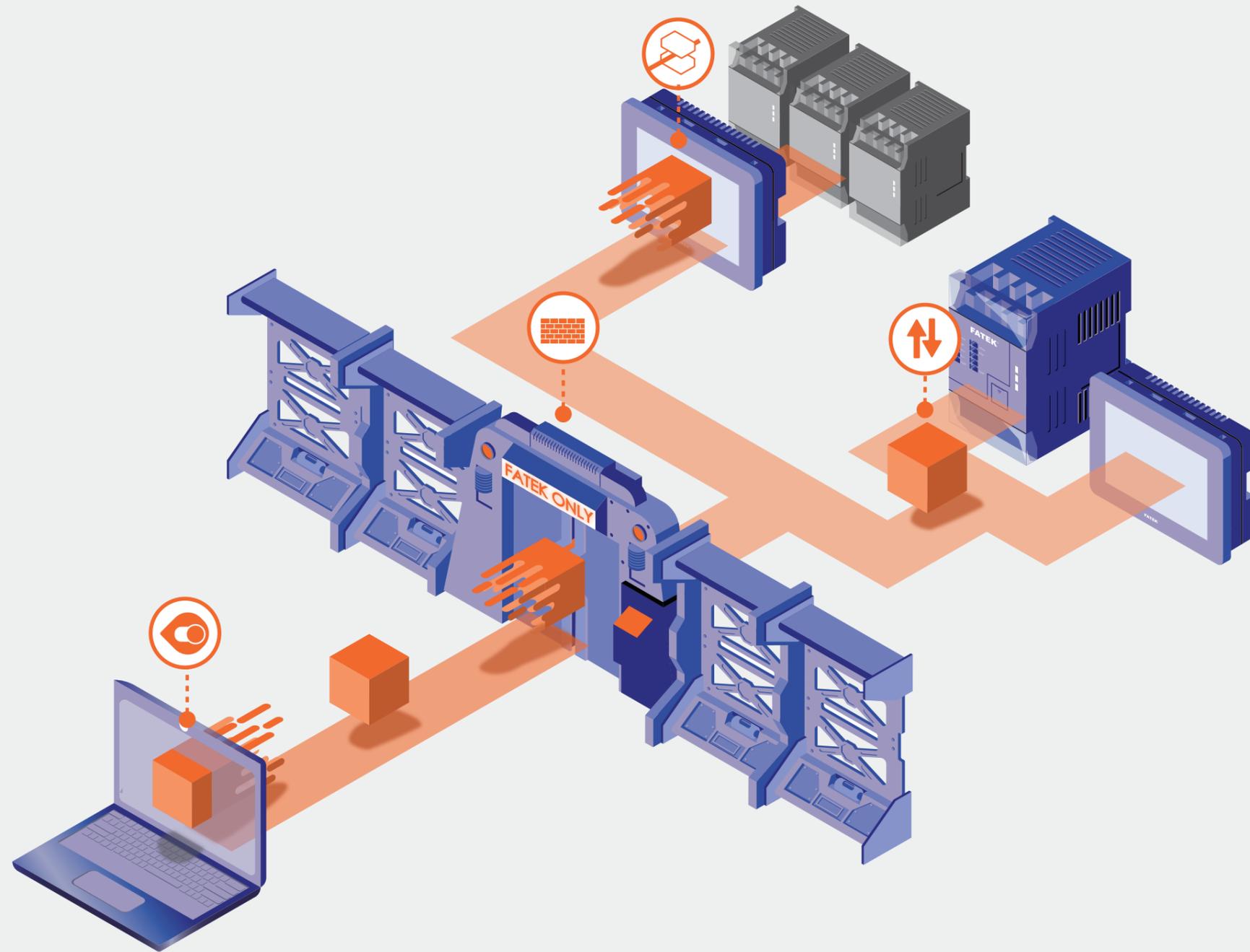
Dynamic Tracking

Real-time GPS map updates to support dynamic tracking and trajectory needs.

4G

Unrestricted Deployment

Supports Wi-Fi/4G/Ethernet to eliminate physical wiring constraints, enabling tracking and monitoring anywhere.

iACCESS

iAccess IoT Service enables complete and secure control/maintenance of remote devices across complex firewall and router configurations. It brings globally distributed devices to your fingertips, eliminating geographical barriers.

Maintenance x Screen Monitoring x Passthrough

Project Maintenance
Upload/Download/OS Update
Easily and safely maintain
the project and system
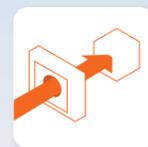
Passthrough
Easily maintain PLC projects
of various brands

File Transfer
Easily transfer and read files
to remote devices

Screen Monitoring
Display and control the HMI
screen in real-time

Cross-Platform Monitoring

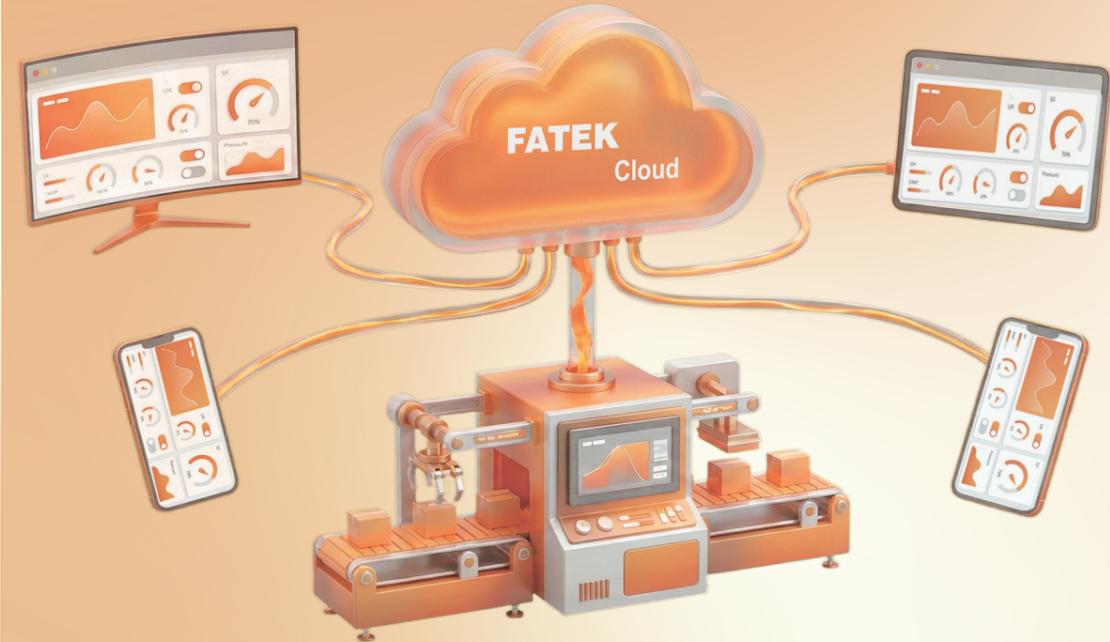## Comprehensive Remote Operation & Maintenance

Maintenance Without On-Site Visits

· Remote Cross-Platform Screen Monitoring
· Remote HMI & PLC Program Upload/Download
· Pass-Through Maintenance for Various PLCs

FATEK Cloud

PROGRAM DOWNLOAD

78% COMPLETE

Control Devices Anywhere

PC   Phone   Pad

FATEK Cloud

FATEK IoT SOLUTION — Your One-Stop IoT Control Platform

Your One-Stop IoT Control Platform — **FATEK IoT SOLUTION**

Project Maintenance

Supports remote updates and debugging for HMI and PLC programs. Engineers can perform remote maintenance without on-site visits, significantly reducing travel costs and time spent on after-sales service.
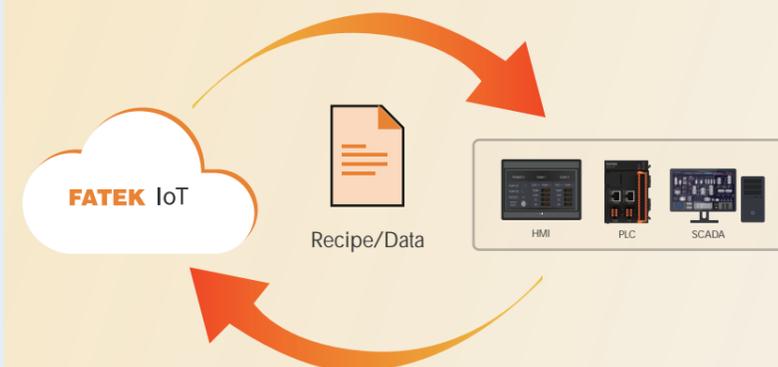
FATEK IoT

Download

HMI   PLC

Cross-Platform Monitoring

Breaks device limitations with support for PC, iPad, iPhone, and Android terminals. View HMI screens in real-time without tedious VNC settings, ensuring smooth remote equipment monitoring.

PC / Phone / Pad

Website   Android   IOS
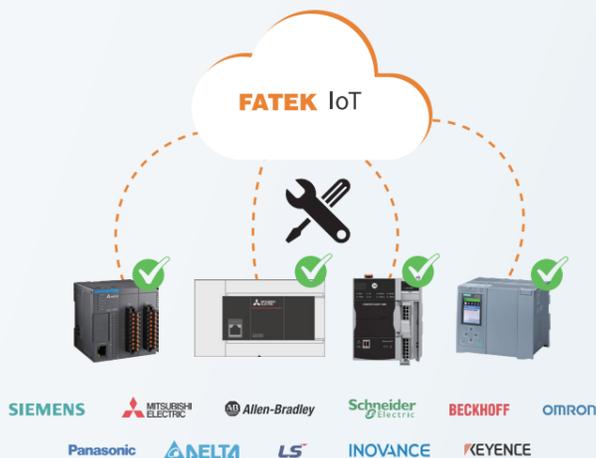
Multi-brand PLC Project Maintenance

FATEK IoT

Features powerful communication pass-through capabilities, allowing direct access and maintenance of third-party PLC programs via the HMI. This ensures the convenience of a single entry point for comprehensive management.

SIEMENS   MITSUBISHI ELECTRIC   Allen-Bradley   Schneider Electric   BECKHOFF   omron
Panasonic   DELTA   LS   INOVANCE   KEYENCE

File Transfer

FATEK IoT

Recipe/Data

HMI   PLC   SCADA

Supports remote two-way file transfer. Files can be saved directly to the device, facilitating easy remote recipe replacements and data updates to enhance process flexibility.

Screen Monitoring

Real-time viewing of HMI screens on mobile devices, PCs, tablets, and other terminals, enabling remote visualization of equipment status.

PC / Pad / Phone

Alarm Push Notifications

Instant alerts and HMI screens pushed via App, SMS, or Email during equipment anomalies.

API Integration

APIs for third-party integration. FATEK IoT manages all field-to-cloud connectivity. Simply interface with FATEK Cloud for secure data access without complex communication setups.

RESTful API

Third-party Websites and APP

FATEK IoT

Multi-Brand PLC Maintenance

Leveraging FATEK HMI passthrough, remotely upload/download and maintain third-party PLC projects for high-efficiency remote support.

Data Collection & Analysis

Flexible scheduling automatically transforms historical data into intuitive trend charts and visual reports. One-click CSV export ensures fast, efficient data analysis and comparison.

FATEK MPLC

FATEK FvRT

FATEK HMI

OPC UA

MQTT

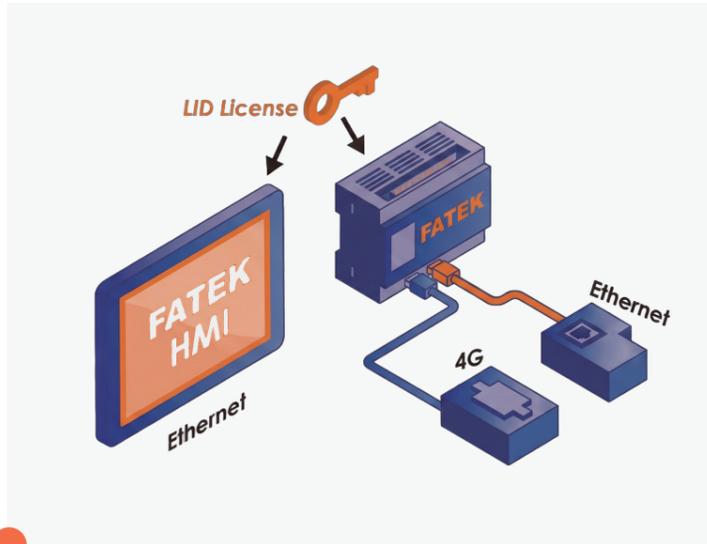Supports standard open protocols

LINK By FATEK IoT

FATEK IoT Driver

Seamlessly link devices anywhere for real-time data exchange. Break distance barriers to boost management and collaboration efficiency.

FATEK MPLC

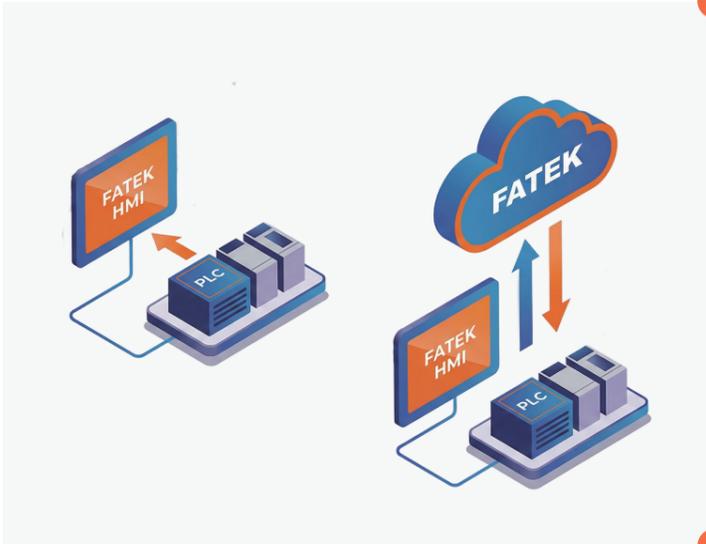FATEK FvRT

FATEK HMI

Easy, Fast, and Secure Deployment

Easy IoT Setup, Ready in No Time

▸ **No extra Gateways or Modules required**
FATEK devices are IoT READY with built-in hardware. Simply activate to deploy IoT applications instantly—reducing costs while eliminating complex network configurations and setups.

▸ **On-Demand Activation**
Just use an activation key to start your IoT journey instantly. FATEK makes IoT implementation simple, fast, and highly efficient.
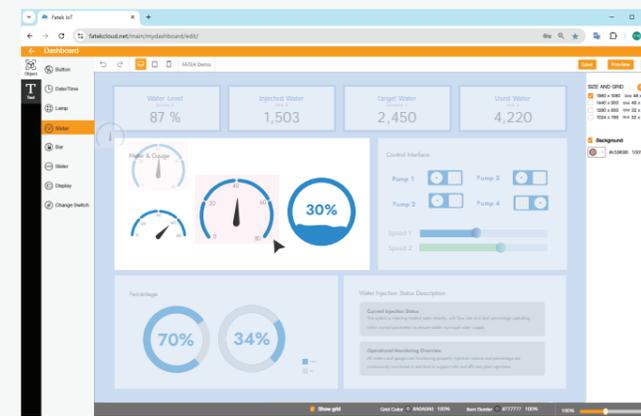
Full Cross-Platform Compatibility

▸ **Multi-Device Support**
Compatible with Browsers, Android, and iOS to meet the needs of diverse users and scenarios.

▸ **High Operational Flexibility**
Monitor and manage devices anytime, anywhere via PC, tablet, or smartphone. Free your workflow from hardware limits.

Seamless Integration, Zero Replacement

▸ **No System Adjustments Needed**
Simply add a FATEK device to deploy IoT instantly. Upgrade legacy or non-networked equipment without production stops or architectural changes. Realize connectivity and visualization immediately, boosting system value with minimal cost and time.

Anywhere, Anytime

▸ **Fast Connectivity One-Click Remote Access**
From the office, home, or on the move—simply log in to your FATEK IoT account to master production data and manage equipment instantly.

▸ **Hassle-Free Networking**
Connect via Wired, Wi-Fi, or 4G without fixed IPs, firewall adjustments, or complex router setups. Remote management made effortless.

Secure & Reliable Connectivity

▸ **End-to-End Data & Cloud Protection**
SSL/TLS encryption secures data flow between devices, the cloud, and users, protecting sensitive information and control commands.

▸ **Smart Setup, Minimized Risk**
Automated handling of IP, firewall, and router settings eliminates security risks from human error, ensuring a stable and leak-proof network architecture.

Installation-Free Browser Operation

▸ **Installation-Free Browser Operation**
Complete all planning and configuration online via browser. Instant access with no additional software required, allowing flexible system adjustments anytime, anywhere for maximum convenience.

▸ **Zero Device Project Changes**
No modifications needed for remote device projects. Configure directly via the browser for instant results.

iMONITOR

Monitoring of globally distributed devices through a centralized dashboard for instant operational insights.

iMonitor

Language

FATEK–Demo

Data > Group Detail

Dataitem List | Device Status | Data Log | Alarm Event

Services
- Data
  - iLocation
  - Dashboard

Management
- User
- Groups and DataItems
- Devices
- My Dashboard
- Resource Usage

Dataitem List

Search

Dataitem	Connection Status	Alarm Status	Value	Last Update
∧ Lamp	● Online	🔔 Normal	Off	2025/12/02 10:19:32

Trend

∨ PLC1 — ● Online
∧ PLC2 — ● Online

Trend

Water Level — System A — **87 %**
Injected Water — Tank B — **1,503**
Target Water — Database C — **2,450**
Used Water — Tank D — **4,220**

Meter & Gauge

30%

Control Interface

Pump 1 | Pump 3
Pump 2 | Pump 4

Speed 1
Speed 2

Percentage

70% **34%**

Water

Air

Water Injection Status Description

Current Injection Status
The system is injecting treated water steadily, with flow rate and level percentage operating within normal parameters to ensure stable municipal water supply.

Operational Monitoring Overview
All meters and gauges are functioning properly. Injection volume and percentage are continuously monitored in real time to support safe and efficient plant operation.

[Language]
Supports EN/CHT/CHS to suit global users.

[Operation]
Select data, device locations, and dashboard views.

[Management]
Manage users, data settings, devices, and dashboards.

[Data]
View or control specific data points.

[Dashboard]
Custom views to monitor multi-site device data simultaneously.

Multi-Terminal Sync: Real-time control via Mobile/Tablet App.
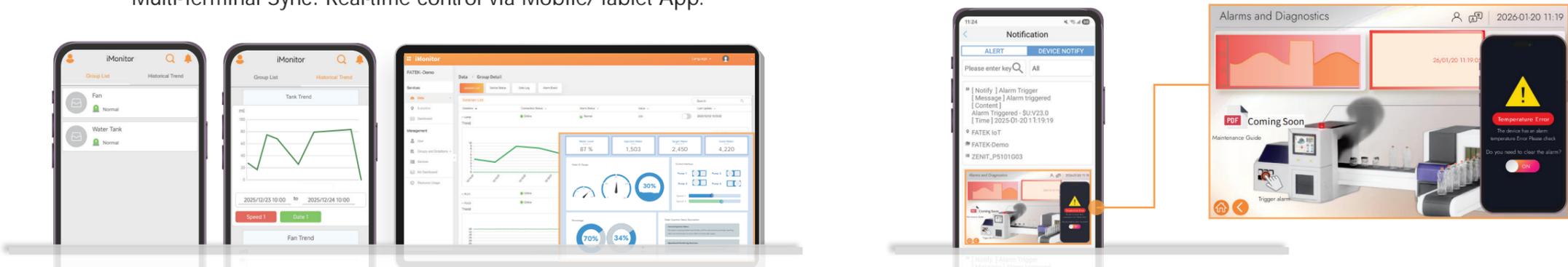
FATEK Cloud Alarm Notifications

Multi-platform alarm notifications

Live operation screen snapshots

iLOCATION

Real-time location visibility. GPS integration for precise management.

iLocation

	Office – Sydney
	Factory – Campsie
	Warehouse – Liverpool
	Site – Parramatta
	Site – Kemps
	Factory – Taipei
	Warehouse – Mumbai
	Site – Berlin
	Office – Los Angeles
	Site – Tokyo
	Factory – Birmingham

Keyboard shortcuts Map data ©2025 Google Terms

[Device]
Switch between data info for different equipment.

[Map Preview]
Intuitive view of current device locations.

[Data]
View real-time data for the selected device.

Factory – Campsie ⌄   Search

Dataitem ▲	Connection Status ▲	Alarm Status ▲	Value ▲	Last Update ▲
⌄ Stop	● Online	🔒 Normal	Off	2023/07/25 17:31:44
⌄ Home	● Online	🔒 Normal	Off	2023/07/25 17:31:44
⌄ Start	● Online	🔒 Normal	On	2023/07/25 17:31:44
⌄ Clear Alarm	● Online	🔒 Normal	Off	2023/07/25 17:31:44
⌄ Emergency Stop	● Online	🔒 Normal	Off	2023/07/25 17:31:44
⌄ Axis Position 1	● Online	🔒 Normal	247912517	2023/07/25 17:31:44
⌄ Axis Position 2	● Online	🔒 Normal	–170868	2023/07/25 17:31:44

Static Mode

Set location by **manually entering GPS coordinates**

Latitude

Longitude
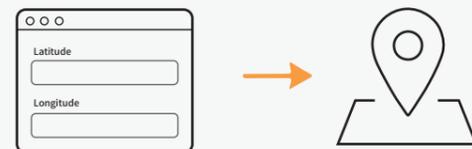
Dynamic Mode

Use a **GPS module to display real-time location** and track the device

iACCESS

Effortless remote updates and maintenance. Live screen monitoring without on-site visits.

iAccess

FATEK–Demo

Data

Services

- Data
- iLocation

Management

- User
- Groups and DataItems
- Devices
- Connect Log
- Resource Usage

Language ▲   IoT Demo ▲

[Operation]
Quick selection for data and locations.

[Management]
Manage users, settings, devices, and logs.

[Data]
View or control specific data points.

[Language]
Supports EN/CHT/CHS to suit global users.

Device Group List

Search

Device Group ▲	Location Coordinate ▼
FATEK Demo	Disable

Device	Product Type	Model Name	iAccess Status	
ZENIT_P5101G033	HMI	P5101ZA/P5101ZB(03)	Online	

iAccess	Undefined	① ② ③
simon	DD −033.8746350 151.2143540
Torres	Undefined

---

① [Real-time Data List]

14:03
Device Detail
Taipei Building – FvRT Monitor
Normal
025.0818980 121.5686540

Building A 1F Average Temperature	23
Building B 1F Average Temperature	28
Building C Air Conditioning On/Off	OFF
Building D	

② [Live Screen Monitoring]

FATEK
24 DECEMBER Monday   23:59
BEDROOM   TEMPERATURE
12 °C

③ [Device Info]

14:02
Device Detail
Device Information
Type_Name	HMI
OS_Ver	OS V2.0.28
Env_Ver	4.120
FW_Ver	1.6.90 b4a3f22c

iACCESS Insight

A software widget for remote project updates, device maintenance, and screen monitoring

iAccess Insight ? ✕

iAccess Insight

①
- Customer ID: FATEK-Demo
- Account(Email): FATEK IoT@fatek.com
- Password: **********

② ● fatekcloud.net ○ fatekiot.cn

Login

Forget Password?

---

iAccess Insight ? ✕

Back   Logout

ZENIT_P5101G03

Model:	P5101ZA/P5101ZB(03)
Firmware verson:	1.7.16 6bf217ba
OS version:	OS V3.1.1
Env version:	4.125
iAccess Status:	🟢 Online
iAccess LID:	Advanced

③

③ [Device Info]
Clearly view device versions and IoT service connection and activation status.

⬇ Download **④** ⬆ Upload ⟷ Pass Through **⑤** File Transfer **⑥** ☁ Viewer **⑦**

① [Login]
Login with the project's customer ID, account, and password.

② [Server]
Select server services

④ [Project Maintenance]
Easily upload and download HMI projects remotely.

⑤ [Passthrough]
Powerful connectivity to remotely maintain third-party PLC projects via FATEK HMI.

⑥ [File Transfer]
Bi-directional remote files transfer for easy recipe updates and data synchronization.

⑦ [Screen Monitoring]
Instant HMI screen access without complex VNC setup for smooth remote oversight.

[EV Charging Network]

Distributed Monitoring System

[Dashboard]

Real-time Visualized Production Metrics. Data insights for precise executive decision-making.

[iLocation]

Precise Global Device Tracking. Streamline cross-regional asset management and dispatch.

[Alarm Notifications]

Instant Anomaly Push Alerts. Multi-terminal sync ensures zero-lag response.

[Food Production Line]

Centralized Factory Monitoring System

[Big Data Analytics]

Cloud-to-third-party data integration. Optimize production parameters to maximize capacity.

[On-site Video Monitoring]

with WebCAM. 24/7 security for field operations.

[Multi-brand PLC Maintenance]

High cross-brand compatibility Achieve one-stop remote maintenance and management

[Vertical Packaging Machine]

Maintenance for Exported Machinery

[System Optimization]

Remote Cloud Updates. Keep system features always up-to-date

[Troubleshooting]

Rapid Fault Diagnosis. Remote guidance significantly reduces equipment downtime.

Step into the IoT Era with Ease — FATEK IoT

Step 1: Account Activation

Before starting your IoT journey, please apply for the service through your FATEK distributor.

You will receive an activation email—please click the link within 7 days to activate your account.

◆ One account can be bound to multiple devices.

Step 2: Device System IoT Settings

☑ Enable IoT
HWID:XXXXXXXXXX

Access the IoT settings page on your device (HMI/PLC) and check "Enable IoT Service."

◆ Note down the Hardware ID (HWID) displayed on the screen; this is the unique identifier for device.

◆ Enter a custom Service Password : ･･･････

Step 3: Binding Device HWID

Highly Recommended!

Method A : Web Cloud Management Binding

Log in to the FATEK cloud portal. Go to "Device Library" and enter the Service Password and HWID of your device.

◆ Service Password : ･･･････

◆ Hardware ID : ･･･････

Method B : App Scan-and-Sync

Product Information
HWID
･･･････
Service Password
･･･････
Tpye
･･･････

HWID, Service Password, will be automatically filled. Complete the binding with just one click.

Step 4: Setting Device LID
(iAccess only; skip this step for iMonitor)

Method A : Direct Configuration on Device

LID ････

Enter the device system settings page, and input your purchased iAccess LID code.

◆ Distinguish between 'O' (zero) and 'O' (letter); there are no zeros (0) in an LID.

◆ Once activated, the LID is bound to the HWID and cannot be reused for other devices.

Method B : Configuration via FATEK IoT App

Edit

Switch to the iAccess page and select "Edit" for the device.Scan the QR code on the LID license card, and the LID will be automatically entered into the device.

◆ "Remote LID Setting" is only available when the device is online.

◆ Once activated, the LID is bound to the HWID and cannot be reused for other devices.

Step 5: Status Inspection

ℹ Normal | ℹ Error
View Error messages

Connection Status: Check if the device IoT setting displays a "Green" status icon.
Green is Connection is normal, Red is Connection error.
Click the icon to view detailed error messages.

Category	Item	Model	Specification
iMonitor	Project Device Activation Fee (per device)	IOT-IMON-ACT	One-time activation fee per device for adding a monitoring device to an IoT project. Activation units are selected based on the number of monitored devices. Not device-bound, replaceable, with no expiration or recurring fees. Monitoring traffic, data collection, and alarm storage are not included.
	Monitoring Data Traffic Expansion	IOT-IMON-DT-05GB	Expand monitoring data transmission by 5GB, with no expiration.
		IOT-IMON-DT-20GB	Expand monitoring data transmission by 20GB, with no expiration.
	Data Log Storage Expansion	IOT-IMON-DLOG-1000K	Expand data log storage capacity by 1000K records, with no expiration.
	Alarm Log Storage Expansion	IOT-IMON-ALOG-1000K	Expand alarm log storage capacity by 1000Krecords, with no expiration.
	Alarm Notification SMS Top-Up	IOT-SMS-100	iMonitor alarm notification SMS package: 100 messages, with no expiration.
		IOT-SMS-200	iMonitor alarm notification SMS package: 200 messages, with no expiration.
		IOT-SMS-500	iMonitor alarm notification SMS package: 500 messages, with no expiration.
iAccess	Remote Project Maintenance & HMI Monitoring License	IOT-IACE-V	Remote project maintenance (supports third-party PLC projects[1]) HMI screen monitoring, and file transfer. The license has no expiration and requires one license per device[2].
	Remote Project Maintenance License	IOT-IACE-O	Remote project maintenance (supports third-party PLC projects[1]) and file transfer. The license has no expiration and requires one license per device[2].

*1 Supports pass-through mode, enabling remote upload and download of third-party PLC projects.

*2 Once the license key is bound to a device, it cannot be transferred to another device.

※ The traffic usage calculation mechanism is scheduled to launch in Q3 2026.
    Usage-based calculation and billing will apply only after the mechanism is officially implemented.

※ For the terms of service and privacy policy of FATEK IoT, please refer to the information on the official FATEK website.

FATEK Cloud service

🌐 **Browser**
fatekcloud.net

GET IT ON
Google Play

Download on the
App Store

iAccess insight
Windows

DOWNLOAD
From
www.fatek.com