

FLUX Gateway

The brain of the parking tower.

Compact and built in aluminium, the FLUX Gateway lives inside the control cabinet. It speaks the controller's own language and turns every change in the machine into live, secure data.

Fewer call-outs

Diagnose and clear routine faults from the office instead of sending a two-person crew.

Faster response

You hear about a fault the moment the controller reports it, not when someone phones.

No changes to the machine

Fits inside the existing cabinet and uses the controller's own serial port.

Specifications

FLUX Gateway

Features

Reads the PLC directly
Machine states, positions and alarm codes over RS-232/485. No extra sensors needed.

Acts only with approval
Resets and commands run only after an operator approves them and the safety checks pass.

Steps aside if it fails
If the gateway loses power, a relay connects the panel straight back to the PLC.

Secure from the first boot
Its own X.509 identity, a hardware secure element and encrypted MQTT.

Updates itself safely
Over-the-air updates roll out in stages and roll back on their own if anything looks wrong.

Compatibility

Mechanical parking towers with serial PLCs (RS-232 / RS-485)

LS Master-K and Modbus RTU today. Other PLC families through protocol adapters, assessed per project.

Connects to the cloud over the site's existing Ethernet or Wi-Fi

Specifications

Compute	Quad-core ARM Cortex-A76, industrial carrier board
PLC interface	RS-232 / RS-485 serial
Protocols	LS Master-K, Modbus RTU. Others on request.
Network	Ethernet, Wi-Fi
Power	DC 9–36 V (12 / 24 V compatible), power-loss hold-up
Operating temp.	–10 to +55 °C
Enclosure	Aluminium, approx. 130 × 110 × 72 mm
Mounting	DIN rail or wall bracket (optional)
Security	Secure element, X.509 certificates, TLS, hardware watchdog
Updates	A/B over-the-air, staged rollout, automatic rollback

** Preliminary specification. Subject to change.*

How it works

Your tower / **FLUX Gateway** / FLUX Cloud / FLUX Apps

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FLUX Vision

Eyes on every platform.

Nobody should press a remote button without seeing what is on the platform. FLUX Vision gives operators a live view they can steer, and records the moment before and after every remote action.

** Pilot module. AI features in development.*

See before you act

A live picture of the platform before every remote command.

A record of every action

Before and after images of every remote action, for audits and disputes.

Ready for AI

Designed for on-device vehicle detection and licence-plate recognition.

Specifications

FLUX Vision

Features

- Live view with pan and tilt
- A visual check is required before any remote command
- Coming next: vehicle detection and licence-plate recognition

Specifications

Function	Live video, pan and tilt
Works with	FLUX Gateway and Operator Console
Recording	Before and after capture for every remote action
AI roadmap	Vehicle detection, licence-plate recognition (in development)

** Pilot module. AI features in development.*

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FLUX Touch Panel

A new face for the parking tower.

An Android-based panel that replaces ageing operator screens. Clear for drivers, configurable from anywhere and ready to show your own content.

** Availability on request.*

A better first impression

Clear instructions for drivers instead of a cryptic old panel.

Managed from anywhere

Screens, languages and content are updated over the air.

A new place for content

Ready to show your own messages while the car is on its way down.

Specifications

FLUX Touch Panel

Features

- 15.6" high-brightness display, IP65 front (reference design)
- Modbus TCP and LS XGT connectivity
- Screens and content updated remotely
- Safety stays with the PLC, where it belongs

Specifications

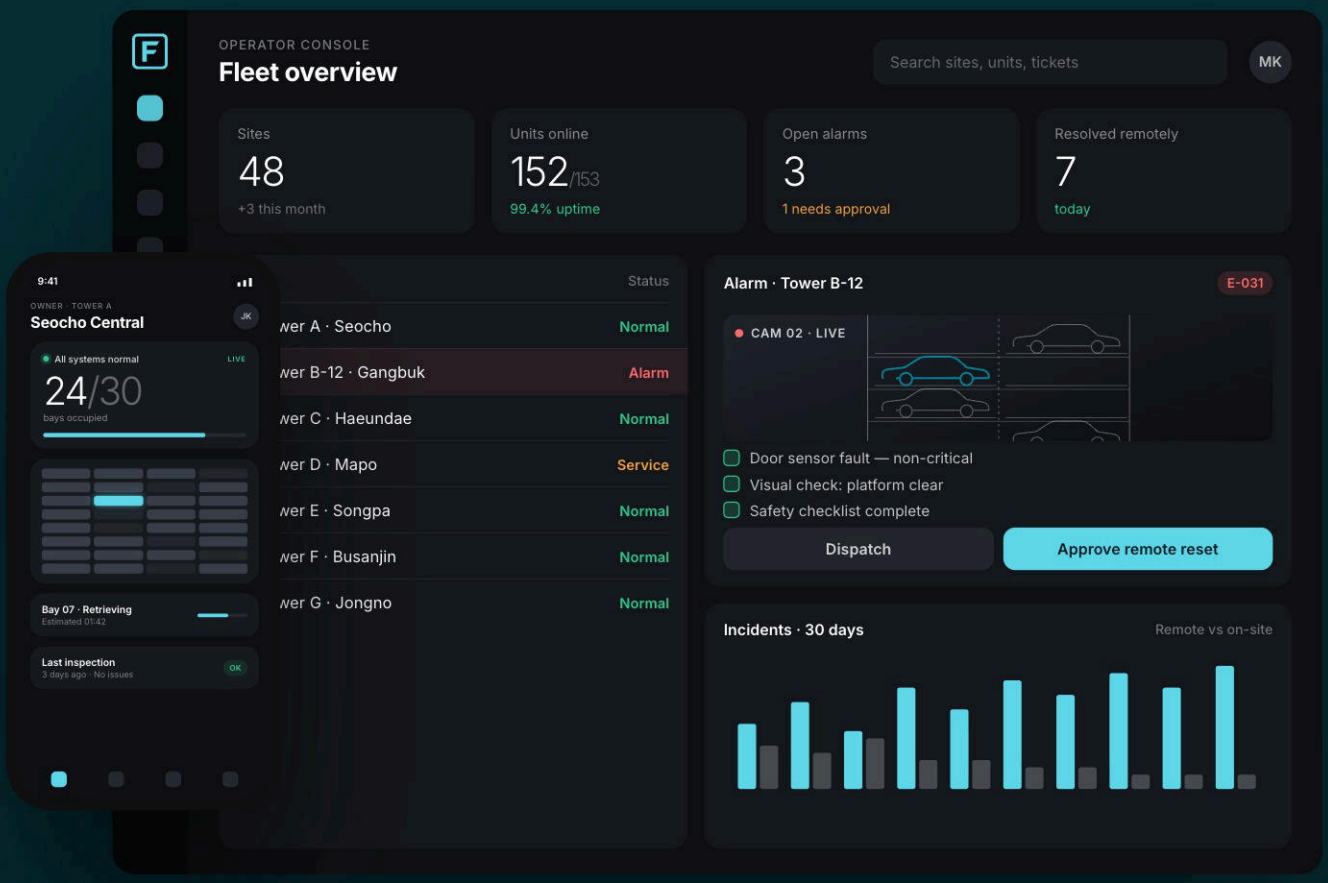
Display	15.6" high-brightness, optically bonded (reference design)
Front protection	IP65 (reference design)
Platform	Android-based industrial panel PC
Connectivity	Modbus TCP, LS XGT, RS-485 / RS-232, Ethernet
Safety concept	Non-safety HMI. Safety functions remain in the PLC.

** Availability on request.*

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FLUX Platform

One platform for every tower you run.

A cloud platform and apps that turn controller data into decisions for owners, operators and field teams.

The whole fleet at a glance

Every site, every unit and every alarm, live on one screen.

Remote control you can trust

Approval steps, session locks and a camera check for every remote action.

Data that pays for itself

Incident history and analytics that support service contracts and planning.

Specifications

FLUX Platform

Features

Owner App

- Live status of every bay and machine
- An alert the moment something goes wrong
- Service history and open tickets
- Invoices and monthly reports

Operator Console

- Every site on one dashboard
- Alarm triage and remote resolution
- Work orders and technician dispatch
- Firmware updates across the fleet

Specifications

Delivery	Cloud software. Web apps for desktop, tablet and mobile.
Device link	MQTT over TLS, X.509 identity for every device
Users	Owners, operators and field technicians, each with their own access
Updates	Over-the-air updates across the fleet, rolled out in stages
Integration	Open API. Partner integrations on request.
Pricing	Subscription per parking bay. Partner pricing on request.

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