for IoT

MAG-UX

Visualize your performance & security

IoT Performance & Security Monitoring

MAG-UX for IoT monitors the performance and security of IoT devices and infrastructure in a highly visible and intuitive manner. It also enables to pinpoint promptly an IoT operation failure across end-to-end sections.

Visualize your performance & security

Performance Monitoring

Security Monitoring

Easy
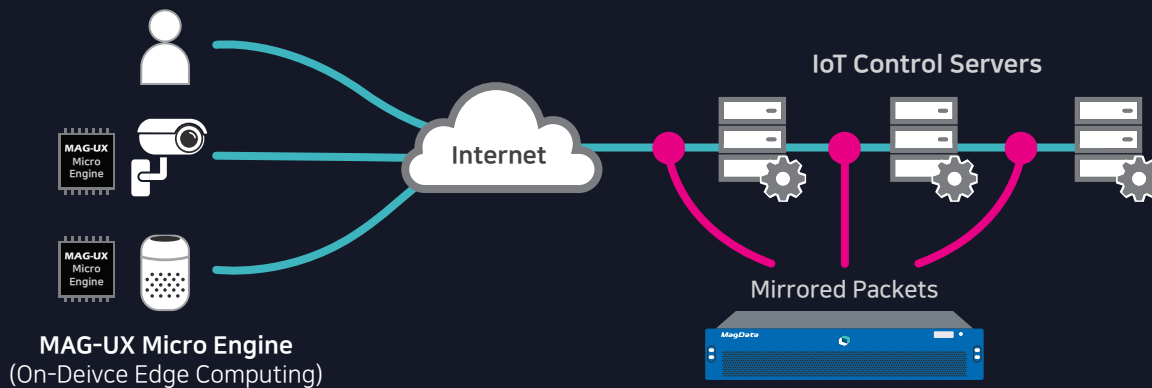Easy to install, set up and use; inter-connection API supported.

Real-Time
Visualizing the status of IoT devices and infrastructure, in real-time of one second level, to detect failed sections.
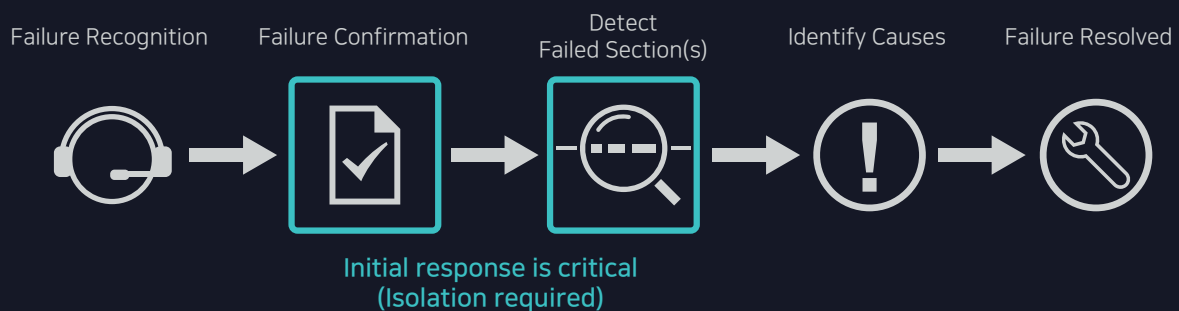
Intuitive
Providing intuitive interfaces for IoT devices and infrastructure across end-to-end.

MAG-UX Installation and components (agentless)

MAG-UX
Micro
Engine

MAG-UX
Micro
Engine

Internet

IoT Control Servers

Mirrored Packets

MagData

MAG-UX Micro Engine
(On-Deivce Edge Computing)

Steps of Processing Failures

Failure Recognition   Failure Confirmation   Detect
Failed Section(s)   Identify Causes   Failure Resolved

**Initial response is critical
(Isolation required)**

MAG-UX
www.magdata.net

MAG-UX for IoT

Hybrid IT Monitoring System for Enhanced IoT Security

Easy
Real-Time
Intuitive

IoT Devices

- Health check of devices
- Detecting network connections
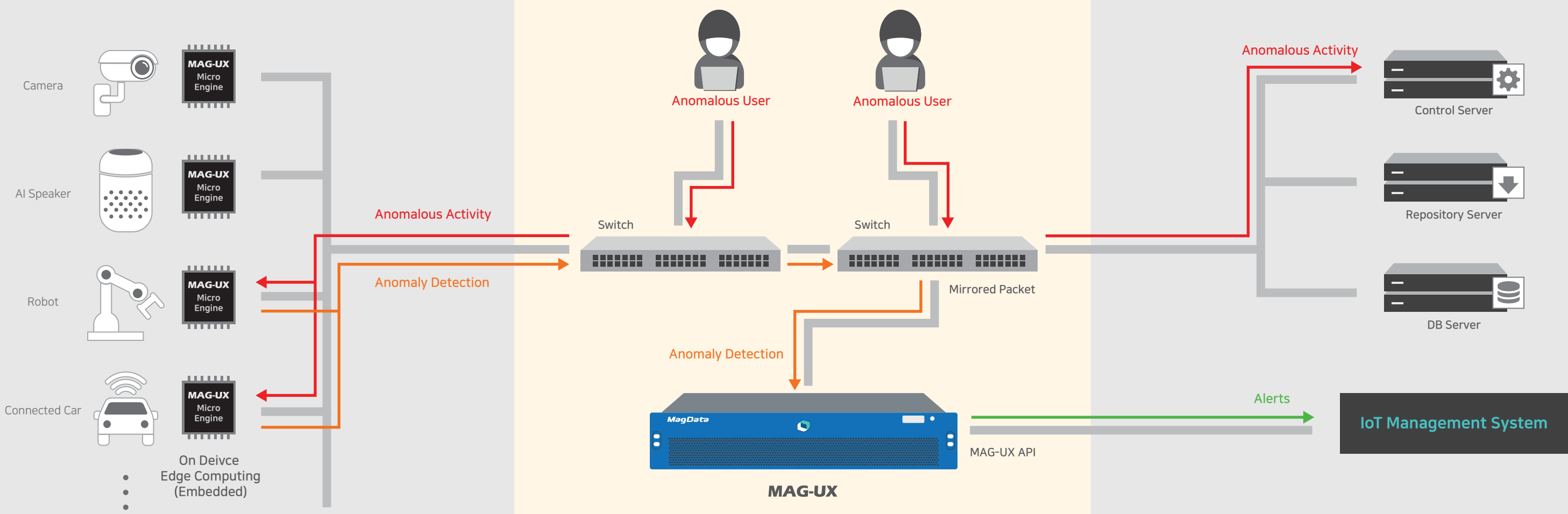- Anomaly detection (process, resource)

Network Section

- Detecting abnormal BPS
- Detecting unauthorized IP connections and activities
- Measuring network quality

IT Infrastructure

- Anomaly detection
- Performance and security monitoring
- Application monitoring

Camera — MAG-UX Micro Engine

AI Speaker — MAG-UX Micro Engine

Robot — MAG-UX Micro Engine

Connected Car — MAG-UX Micro Engine

On Deivce Edge Computing (Embedded)

Anomalous Activity

Anomaly Detection

Anomalous User

Anomalous User

Switch

Switch

Mirrored Packet

Anomaly Detection

MagData

MAG-UX

MAG-UX API

Anomalous Activity

Control Server

Repository Server

DB Server

Alerts

IoT Management System

Real-Time

Provide warning and alarm when reaching the set threshold through one-second unit monitoring

Real-Time Monitoring

Real-Time Alert

Real-Time Notification

for Each Section

Provide analysis and warning/alarm for not only each component but also for each section

Client

Network

Server

Performance/Security Monitoring & Analytics

Provide performance analysis and cause prediction functions through various dashboard and real-time analytic tool

Flow Map

IoT Overview

Analysis Tools
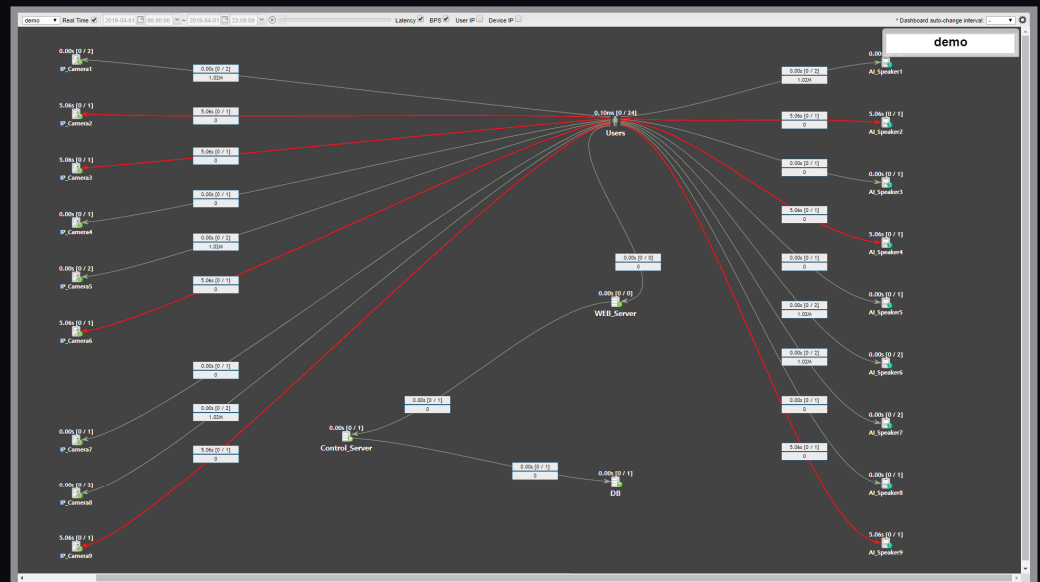
MAG-UX for IoT Main Dashboards

● IoT Overview

Visualizes real-time alerts on performance & security of IoT devices and infrastructure.

● Flow Map

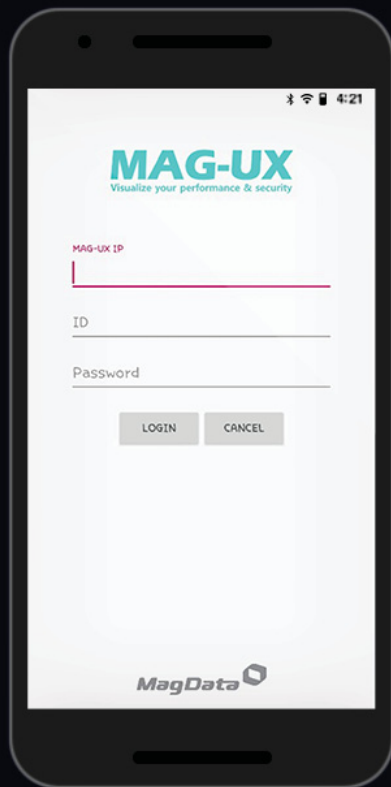Shows communication status among IoT devices and infrastructure in an intuitive manner.

● Transaction Log

Can browse and search all transactions of IoT devices and infrastructure in real time.

MAG-UX for IoT App

MAG-UX Certifications and Intellectual Properties

Trademark **MAG-UX** *MagData*
9 Patents (pending included)

Korean Intellectual Property Office

16-0011

GOOD Software

No. 20170106316

KIBO Korea Technology Finance Corporation

R-REM-MgD-MAG-UX5100
R-REM-MgD-MAG-UX3100
R-REM-MgD-MAG-UX1100

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MagData

Global Partnership

Qualcomm