IoT Care

Highly Advanced IoT Security for Smart Industries

A genuine smart IoT integrated security control solution
for the safety of various infrastructures in the Smart Industry

NORMA

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IoT Care Solution Introduction

Norma's IoT Care is an integrated security control solution
for IoT devices that not only secures the IoT infrastructure by checking the network safety
and device vulnerabilities in smart homes and buildings,
but also increases the efficiency of IoT management through control systems such as asset identification.

Product Line-up

Server	Sensor	Type	IoT Care Server	IoT Care Sensor
Cloud	Sensor H/W	APPEARANCE		
	Legacy H/W	OS	Ubuntu 18.04	Ubuntu 16.04
Legacy H/W	Embeded Module	CPU	4 Core	4 Core
		MEMORY	16GB	3GB
	Agent S/W	STORAGE	2TB	8GB

Product Key Features

Integrated control system based on cloud service

Integrated control service for IoT devices such as CCTV, AP and SETTOP BOX etc. on a cloud server without any physical inter-connections.

Zero-day vulnerability,threat detection and diagnosis,24/7 monitoring

We provide a service that automatically checks and analyzes malicious vulnerabilities such as one-day, CVEs including zero-day being unknown vulnerabilities.

Efficient IoT management support

Efficient and convenient asset management support by providing an agent, or agentless solution with IoT Care Web UI.
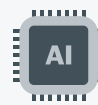
AI machine learning technology

With a machine learning technology, IoT Care responds quickly and accurately to any hacking scenarios by learning, targeting and categorizing the new vulnerabilities and external attack detection patterns.

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- ✓ Security inspection of the connected network
- ✓ Remote control of security sensor and customized reporting feature
- ✓ Security inspection of the external wireless Aps
- ✓ Consulting and post-management support
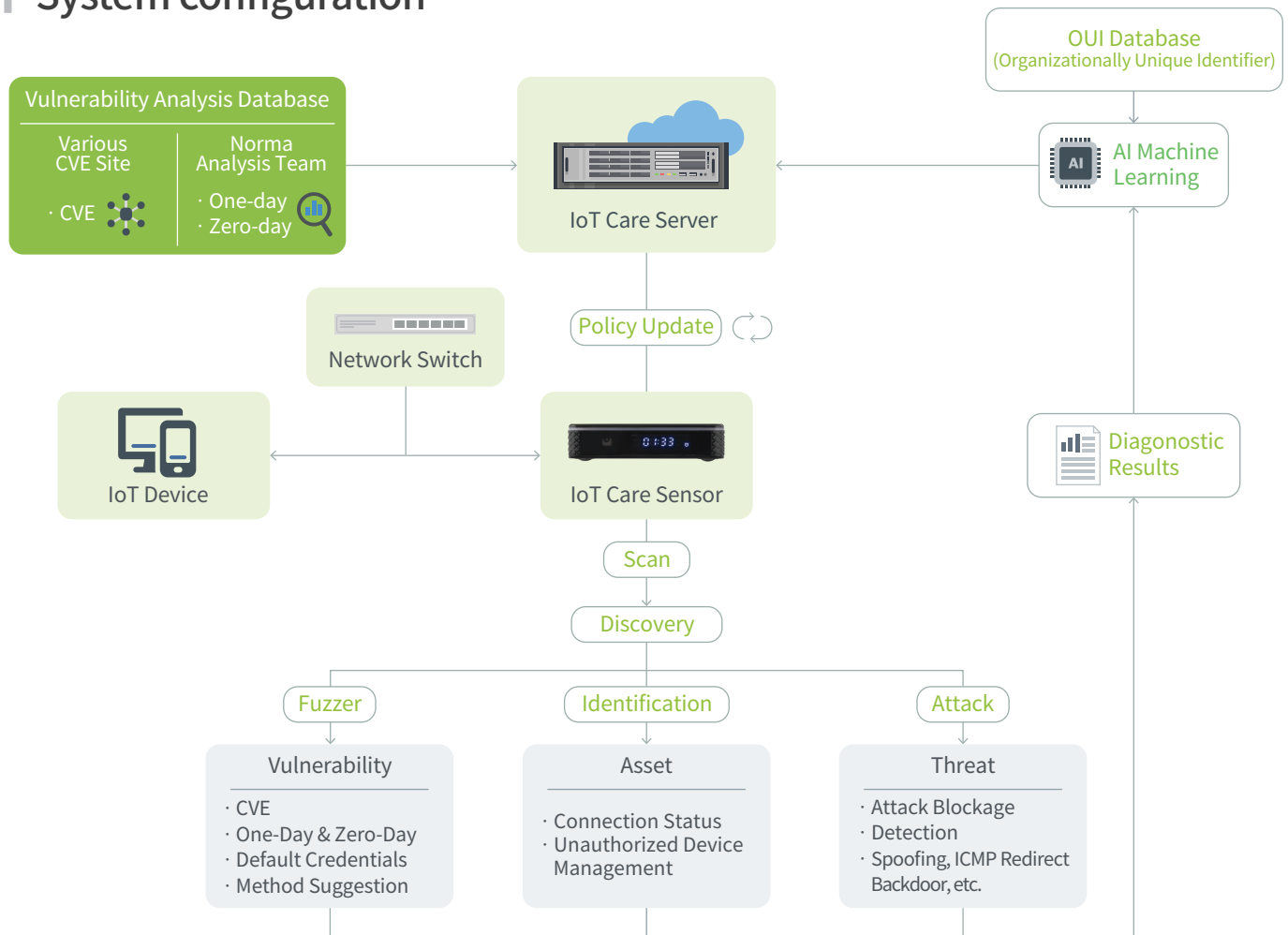
Product Key Functions

24-hour asset management and security control function

Automated detection and protection from the various vulnerabilities (Zero-day, One-day, CVE) and hacking threats

Dashboard	① Asset & Vulnerability monitoring function	Asset & vulnerability status trend, statistics and network monitoring
Event alert	② Event & Feedbar Notification Function	Detects and notifies the abnormalities of the managed assets and responds to the threat detection
Management	③ Sensor & Asset management function	New asset identification, registration and reserved asset status as well as authorization management
CVE diagnosis	④ Vulnerability diagnosis function	Vulnerability (Zero-day, One-day, CVE) management, automatic inspection, coutermeasurement after analysis
Blockage policies	⑤ Threat blockage function based on blockage rule	Blacklist & policy-based asset authorization and blocking management
Inspection	⑥ Asset & Network inspection function	Asset and wired/wireless network stability check function
Result report	⑦ Detection & Inspection report function	Comprehensive report of asset detection and inspection results

System configuration

Vulnerability Analysis Database

Various CVE Site	Norma Analysis Team
· CVE	· One-day · Zero-day

OUI Database
(Organizationally Unique Identifier)

AI Machine Learning

IoT Care Server

Policy Update

Network Switch

Diagonostic Results

IoT Device

IoT Care Sensor

Scan

Discovery

Fuzzer | Identification | Attack

Vulnerability
· CVE
· One-Day & Zero-Day
· Default Credentials
· Method Suggestion

Asset
· Connection Status
· Unauthorized Device Management

Threat
· Attack Blockage
· Detection
· Spoofing, ICMP Redirect Backdoor, etc.

Smart Business

Home/SOHO

Integrated management and security solution such as CCTV, AP, and SETTOP BOX in home or commercial premises

Smart building

Safe business processing according to IoT asset management and identification policy

IoT manufacturer

IoT device security acquisition from the manufacturing stage with the built-in security modules

Mobile operator

Integrated management and security by embedding it into the business IoT system across Infrastructure-device-network

Smart car

Safety acquisition across the autonomous vehicles by mounting the security module after thorough security tests

OT/Smart Factory

Safe and systematic manufacturing process establishment through security consulting and solution proposals

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