

WISE-PaaS/DeviceOn

Bringing Devices Online, Control and Update at Scale

Embedded-IoT Rison Yeh, Software PM



WISE-PaaS/DeviceOn Empower Edge Intelligence

WISE-PaaS/ DeviceOn



Remote Management & Control





HISE Days Read at the Hise Days





Embedded Boards



Embedded Computers





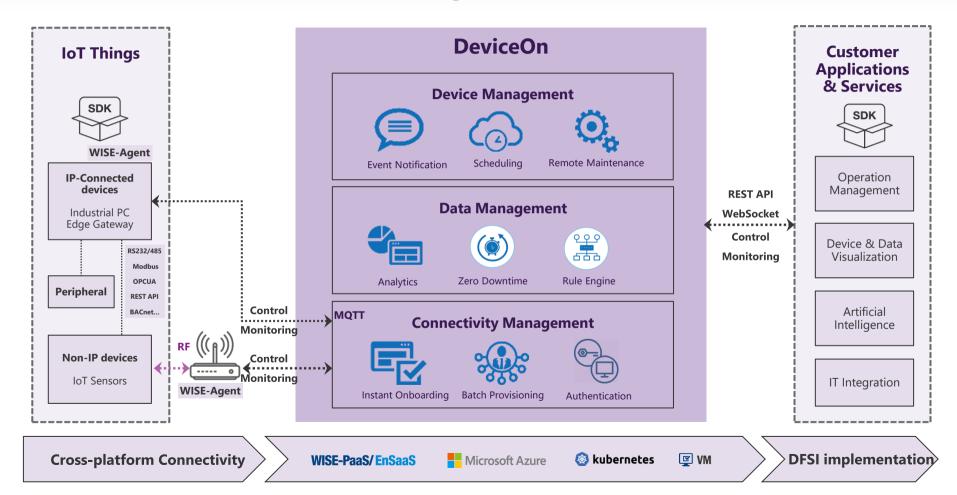
Wireless IoT Gateways

Vertical Focused Solutions

Device Management for IoT Applications



IoT Device Management & Data Flow



Device Lifecycle Management

Onboard, Configure, Monitor, Update, Retire

Device Onboard & Registration Data Acquisition & Visualizer ✓ Zero-touch Onboarding ✓ Device Real-time & Historical Data Batch Import, Provisioning & Configuration \checkmark ✓ WISE-PaaS/Dashboard Built-In \checkmark Device Migrate, Transfer, Replace, and Retire EO Plan Hardware & Software Monitoring \checkmark (ota) Power Management \checkmark Remote Trouble shooting \checkmark Backup/Recovery, Protection \checkmark ✓ Windows 10 Lockdown (Security & Protection) Software, Firmware & Configuration Update Device Anomaly Detection (Rule Engine) \checkmark \checkmark ✓ Advantech BIOS Update ✓ Notification & Alert **Device Monitoring & Diagnostics Device SW Updates & Maintenance**

Real-time Monitoring

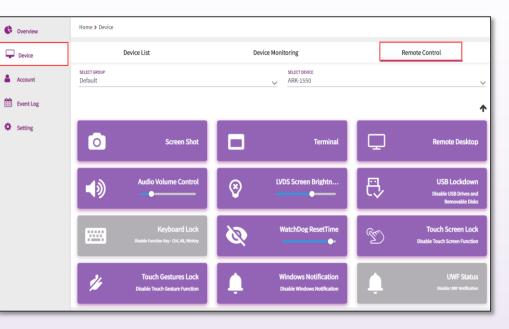
Assist you in managing, tracking, securing, and sustaining all your devices

DeviceOn Overview	Home > D	Device				Ç 🖓 S 🛛	•	Device Li	ist & Sta	atus	
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Secure Control

Easily configure and control your devices

- Remote Power Management
- HW Watchdog
- Windows Lockdown Control & Protection
 - Volume, LVDS Brightness Control
 - USB Lockdown, Keyboard Lock
 - Touch Screen & Gestures Lock
 - Notification block
 - UWF Protection



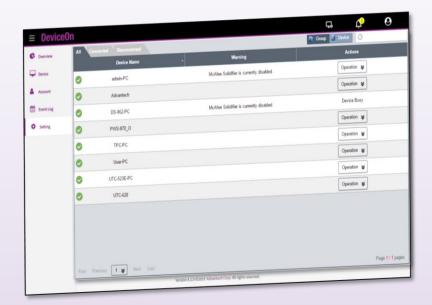


Simplicity of Protection & Backup/Recovery

Powered by **ACIONIS** Backup and Recovery technology

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- Hot backup without interrupting current tasks
- Regular automated backup with dynamic scheduling



Powered by WCAfee

Application Control technology

- Dynamic whitelisting model to block unauthorized apps
- No continuous virus definition updating required

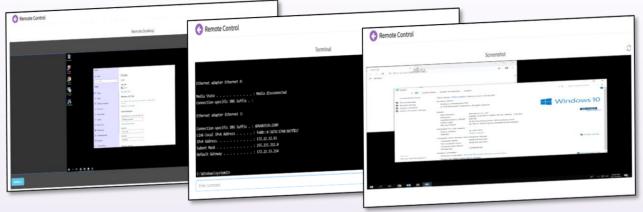
, Al	Connected Disconnected	Last backup time	Actions	
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0	TPC-PC		Operation 😽	
0	User-PC	N/A	Operation 😵	
0	UTC-523E-PC	NA	Operation 😽	
0	UTC-620	NĂ	Operation	

Device Remote Diagnostics

Monitor errors and bugs and rectify them in real-time to minimize device downtime

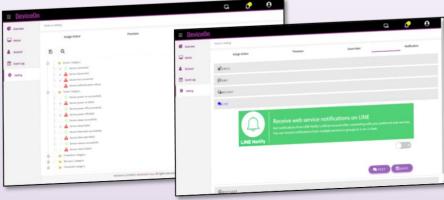
• Remote troubleshooting tool to reduce maintenance cost

- Remote Desktop
- Screenshot
- Terminal



- Notification Services
 - Line/Wechat/WhatsApp/Mail/SMS

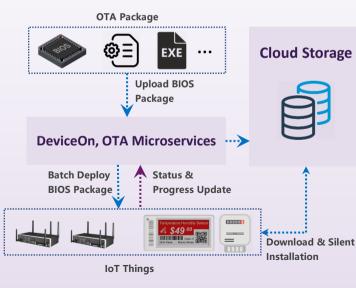


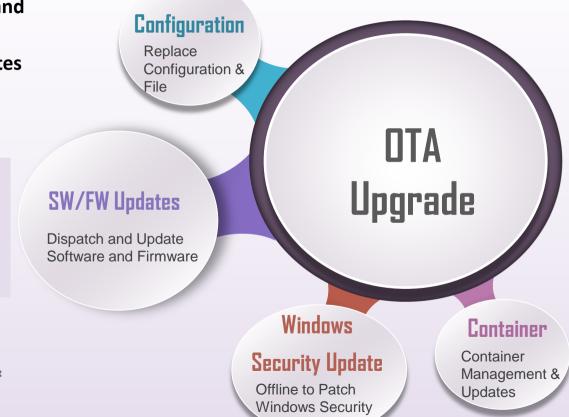


Device Software Updates & Maintenance (OTA)

Simplify Remote provisioning and updates on firmware, driver, and software at scale

- OTA storage/package management and online packing tool
- Software remote patching and updates (Single/Group/Rule)
- Update status report





Live Demo

Device Instant Onboarding
 Device Monitoring & Control
 Data Acquisition & Visualization
 OTA Software Updates & Maintenance

DeviceOn Mobile UI & APP

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	and an and an and a second second	DeviceOn Free Trial		

Mobile Phone APP

Wechat APP

HW Bundle Service (Free Trail License)

Secure and self-onboard IoT devices in a minute at Scale

- Online registration with secure device ID and field configuration
- Initial Provisioning for bulk devices
- Free Function Trial (6 months)





Work Anywhere on Popular Platform and Service

≡ DeviceOn		Ψ.	ç, Ç	₩ Q	Public C	loud Platf	orm
# Home	Realtime Actions						
🖵 Device	O POWER ON O REBOO Turn 3F devices on Reboot 1F devic				E-PaaS/EnS		KS + Azure IoT Hub)
Setting	Actions & Task Status						,
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DEVICE NAME GROUP STATUS PCINEISN7 IF-C Connected	Top 5 Network Traffic	Top 5 Disconnect			(Container PaaS)	(Standalone Installation)	(EnSaaS Private Cloud)
PC081308 1F-C Connected PC081309 1F-C, 1F Connected PC154131 2F-B, 1F, Linkow Disconnected		PCIDET4					
PC53432 2F-8,2F Abnormal PC53433 2F-8 December							

WISE-PaaS/ DeviceOn

✓ Build-in for All Advantech System and Boards H/W

- Empower Edge Intelligence with DeviceOn IoT Core Services
- A Ready-to-use solution for IoT Device Operation Management
 Remote Monitor & Control, Automated Alert Notification, OTA SW Updates

Easy-to-Develop SDK for Fast Realizing IoT Industrial Applications WISE-Agent plugin, UI framework plugin, REST API, Visualization Tool

Co-Creating the Future of the IoT World

