

Remote BIOS Password Management

Infosheet

Security starts with BIOS



Remote BIOS Password Management (RBM)

Remote BIOS Password Management (RBM) is a multi-vendor solution which protects the ATM from unauthorised access to the BIOS and rebooting from an external device.

The BIOS password and boot order changes are remotely managed and updated according to the deployer's requirements for maximum security and operational efficiency.

Centralised real-time audit logs support compliance verification.

Discover more about the features and benefits of Remote BIOS Password Management (RBM) in this infosheet

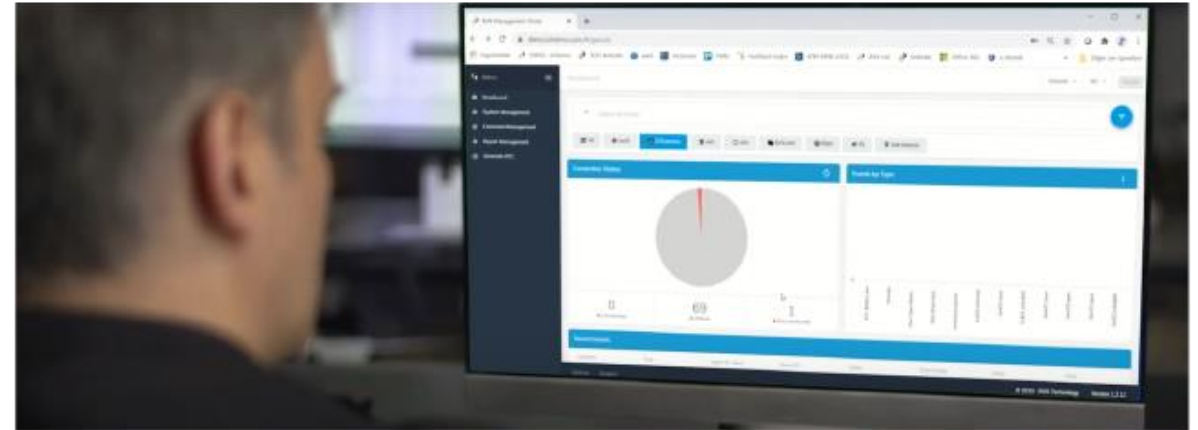
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Features and Benefits

Dynamic remote ATM BIOS password update

The BIOS password is updated remotely without the need to take the ATM out of service.

The timing for these automated remote updates is determined by pre-set rules according to the deployer's requirements.



Bulk or single update

The remote management application, IoTservo, can be used to do bulk or single ATM BIOS password updates as required.



Secure boot order change

Temporary changes to the boot order can be made remotely. The order can be changed from the ATM disc to DVDROM or USB as required.

The original boot order is recovered after restart.





Centralised management

The IoTservo management application can be used for any size of ATM network. Events such as the status of BIOS password changes and boot order changes can be monitored in real time.

Centralised audit logs for compliance verification

Real-time logging of all users and events with an unlimited history.

Flexible rule creation

Additional rules for BIOS password changes can be set according to defined scenarios and the requirements of the deployer.

Alerts and notifications

Rules can be configured to trigger alerts and send updates via API, email or SMS. For example, notification can be sent when there is a change to the boot order.

High security

Encrypted communications and secure password generation and storage.

Defends against malware and jackpotting

Since the BIOS and boot order are protected, the ATM is not at risk of malware attacks or jackpotting.

Password storage options

Passwords are stored in IoTservo or the storage can be integrated with a third party password vault or HSM.

Operational cost savings & reduced carbon footprint

An automated system with remote BIOS password management eliminates the risks associated with manual processes. Service engineers do not waste fuel travelling for multiple site visits if passwords are forgotten or lost.

Multi-vendor

RBM is a multi-vendor solution which works with all major ATM brands and models.

It works by communicating with the BIOS utility provided by the ATM manufacturer.



Technical Information

IoTservo agent

The IoTservo agent works with the ATM manufacturer's BIOS utility software. The same IoTservo ATM agent can also be used with BVK's complementary physical and digital access solutions, also active anti-skimming solutions.

IoTservo central management application

BVK's IoTservo is a centralised management application which can be integrated via API into third party monitoring and management systems.

.NET core technology (No OS redistributable requirements)
Windows 7, Windows 10 and Linux Support.

Encrypted communications

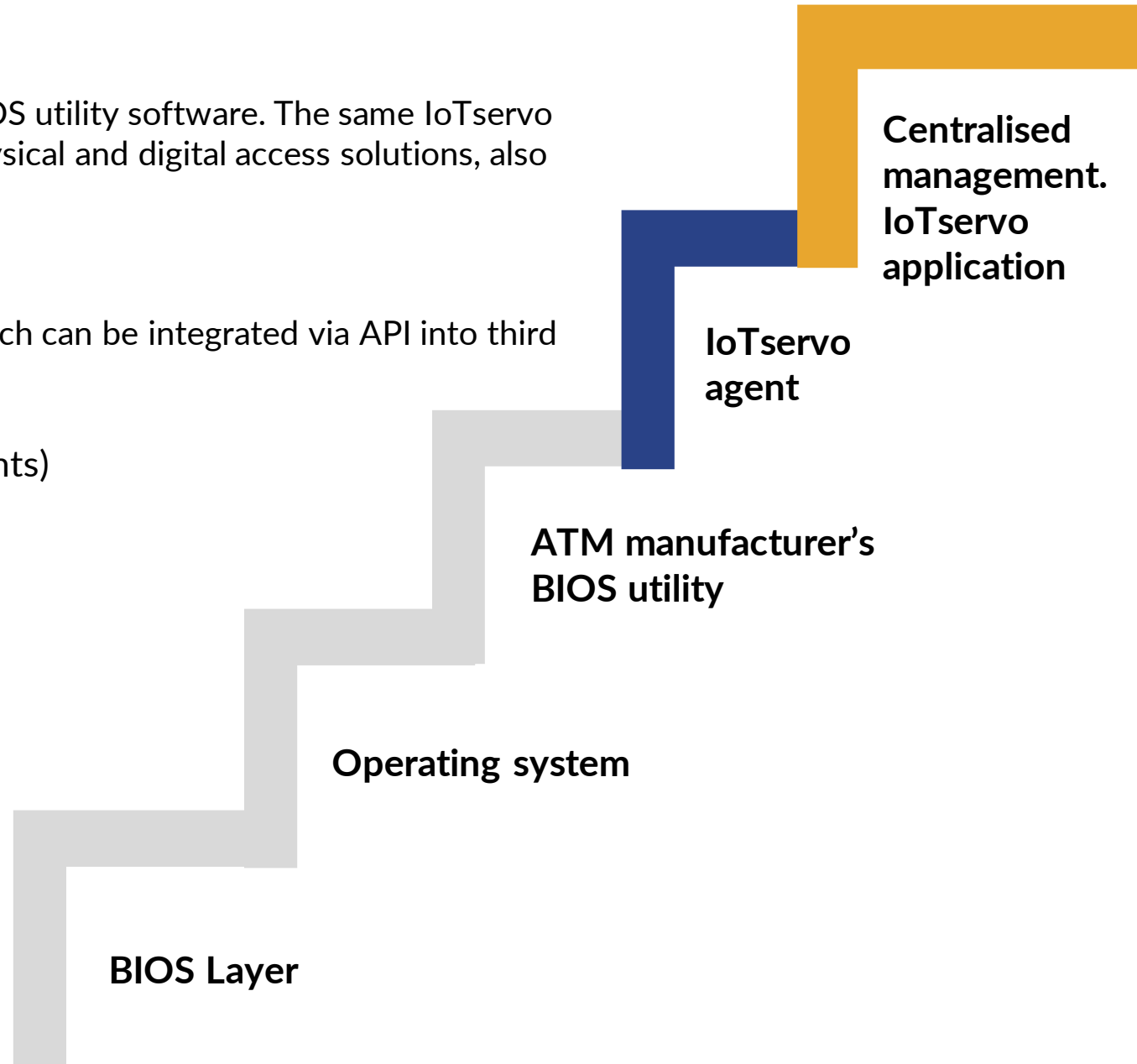
Secure messaging TLS 1.2

Secure storage

Encrypted storage of BIOS passwords.
Can be integrated with third party password vault or HSM

Audit logs

Extensive activity logs of all users and transactions



Top reasons to install RBM

Proven installed base

More than 10,000 ATMs are protected with IoTservo agents. RBM remotely manages the BIOS password and boot order of more than 2,000 ATMs.

Multi-vendor architecture

RBM is designed to work with the BIOS utility of the ATM manufacturer.

High security

All communications and passwords are encrypted.

Central audit logs for compliance verification

Real-time logging of all users and events with an unlimited history.

Operational cost savings

Remote management and password storage automate time-consuming manual processes.



Additional versatile functionality with IoTservo agent

Remote BIOS Management for Windows Desktop

RBM can remotely manage remote BIOS password changes for desktops.



Remote User Password Management

RBM complements BVK's Remote User Password Management (RUM) application for managing Windows users and their passwords





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