HARTMANN TRESORE
Key and Storage Management System

Airports/Ports
Government/Public Authorities
Industry/Power Plants
Hotels/Chain Stores
Hospitals/Nursing Homes
Universities/Laboratories/Schools
Car Show Rooms/Fleet Management
Banks/Insurance Companies
Logistic Centres

The Professional Key and Asset Management
Why key management is needed?
• Keys should be stored in a safe place and only available to authorized personnel
• Control keys and users
• Record key usages
• Key inventory
• Real-time information about keys

What an intelligent key management system can do for you?
• You know exactly who is using the keys
• Define rights for users, add/remove users, cards and keys
• Users will access the keys only with permission
• View reports and log
• Safe storage
• Manage keys in several buildings from a central office via intranet
• Provide temporary access for asset service requirement

Advantages
• Real-time information as to which keys are in cabinet/s and which location/building (linked via intranet)
• Control access to cabinets and to all keys and boxes
• Convenient accessibility
• Combine key positions and value boxes within one system
• The capacity of cabinets can grow together with your needs – modular design
• Accountability and responsibility – reporting user and key activity
• On the screen of the cabinet appears which keys are in and who has the key, if it is taken
• Access is fully monitored and controlled
• Helps reducing costs – less lost keys lead to higher security
• Improves efficiency

Manage Items
• Gain access not only to keys but also to different assets
• You can put several belongings into the boxes: tools, mobile phones, ID cards, documents, etc.
• Use your card and code to access both keys and items

Solution
• Managed access control system for keys and items
• Illuminated key positions makes key-finding easier
• 5 options for access control: via a user-friendly touch PIN-pad, card reader, finger scan, face recognition, Alcotest
• 3-level access restriction
• Return any key to any open key-place and the system will record the new position.

Security
• You always know who removed the key and when it was taken or returned
• Define access rights to users individually
• Monitor how often it was accessed and by whom
• Invoke alerts in case of missing key or overdue keys
• Secure storage in steel cabinets or safes
• Keys are secured by seals to RFID tags
• Access to keys or assets with PIN code, card, biometric or Alcotest.

Do you know who took which keys and when?
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Elements of the System
- Multi language interface.
- Built-in PC with touch screen.
- RFID Card Reader.
- Face Recognition.
- Fingerprint Reader.
- Alarm integration.
- Alert in case of breakdown.
- E-mail alert.
- E-mail alerts in case of important events.
- Multi language interface.
- Time Restriction.
- Manage system remotely and backup the database.
- WEB, USB Connections.
- USB Charger in lockers.
- Light indicator.
- Weight Measuring Sensor.
- RFID Contactless Technology.
- For durability and long life.
- Expandable & Modular System.
- For your future needs.
- To ensure same item is returned or monitor usage of liquids - drugs.
- Alcotest.
- To keep devices always ready.
- Manage time periods for access.
- Store keys inside lockers.
- Easily find which key authenticated to take.
- Huge key bunches can be stored in the box extra safely.
- No access to keys when under influence of alcohol.

WEB, USB Connections
System
Cabinet Types
• Thin wall cabinet
• Key and box cabinet
• Storage cabinet
• Safe
Safe Certifications
• EN 14450 Standard, “S1” qualification
Storage Capacity
• Lowest capacity are 10 keys or 1 deposit box
• Highest capacity: please contact us
Cabinet Doors
• With/without door (DIN right, DIN left)
• Metal frame door with acrylic glass (transparent)
• Full metal door
Computer Module
Industrial PC, Intel Processor, Built-in SSD/HDD and external memory for backup, 2GB RAM, 8.9” Touch-screen TFT, 2 Ethernet interfaces, RS232, USB, Windows Embedded operating system

Technical data
Power Requirement
230V50Hz / 110V60Hz AC
Internal Battery (UPS)
7Ah, up to 45 min. operation
Consumption
60W
Operation Temperature
0 - 40°C (32°F - 104°F)
Colour of the Cabinet
• RAL 9002 Grey white
• YW361F Dark anthracite metallic

Security
Authentication by 4-8-digit PIN code (configurable)
Second and more level authorization: PIN code+card+finger print+face recognition+alco test
Dual mode (double authentication)
Card Reader
• USB or RS232
• Mifare 13.56MHz
• EM 125 KHz
Alarm integration
E-mail alert (optional)

Operation
Built-in PC with touch screen, card reader (optional), finger print reader (optional), face recognition module (optional), Alcotest module (optional)
Multi language interface
Number of keys and boxes which the user is able to pick up or open within one login session
• 10 keys and/or 10 boxes
Remote Management
• WEB Interface Available
Network Mode
• Cabinets synchronize data with each other
• Local and Central database
Communication with External Systems
• Interface is available for ERP integration
• Based on XML and WEB service
Emergency Opening
• Max. 10 keys in one time
• Works using emergency key and button
• Enable emergency from external input

Advantages
• Built in a safe for higher security
• Built up of modules and later expandable
• Easy to install, Plug&Play
• 24/7 support • Remote support available
Support
We have a dedicated support team which ensures a fast service for our customers and distributors. Our software solution ensures the possibility of the remote maintenance, service and also the upgrades of the software.

Face Recognition
New generation face recognition module. Integrated multiplex biometric module. The key and storage management systems can be optionally equipped with a new generation multiplex face recognition module. The biometric identification results in a more secure access.

Alcotest
The key and storagement systems can come with an Alcotest, which can protect in an easy way against the consequences of employees using the company equipment under the influence of alcohol. It can be sufficient for big number of cars in a company.
**Key Cabinets**

<table>
<thead>
<tr>
<th>Model</th>
<th>Key Positions (Standard)</th>
<th>Key Positions (Maximum Configuration)*</th>
<th>Weight (in Kg)</th>
<th>Dimensions (H x W x D in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTME-KMS 10-10-KC</td>
<td>10</td>
<td>10</td>
<td>13</td>
<td>502 x 290 x 155</td>
</tr>
<tr>
<td>HTME-KMS 20-10-KC</td>
<td>10</td>
<td>20</td>
<td>25</td>
<td>575 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 20-20-KC</td>
<td>20</td>
<td>20</td>
<td>27</td>
<td>575 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 50-30-KC</td>
<td>30</td>
<td>50</td>
<td>28</td>
<td>575 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 50-40-KC</td>
<td>40</td>
<td>50</td>
<td>30</td>
<td>575 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 50-50-KC</td>
<td>50</td>
<td>50</td>
<td>32</td>
<td>575 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 100-60-KC</td>
<td>60</td>
<td>100</td>
<td>47</td>
<td>1075 x 782 x 140</td>
</tr>
<tr>
<td>HTME-KMS 200-110-KC</td>
<td>110</td>
<td>200</td>
<td>80</td>
<td>1075 x 1342 x 140</td>
</tr>
<tr>
<td>HTME-KMS 300-210-KC</td>
<td>210</td>
<td>300</td>
<td>120</td>
<td>1075 x 1902 x 140</td>
</tr>
<tr>
<td>HTME-KMS 400-310-KC</td>
<td>310</td>
<td>400</td>
<td>161</td>
<td>1075 x 2462 x 140</td>
</tr>
</tbody>
</table>

* Depending on the frame size, the key cabinets can be extended by further key modules up to their maximum capacity (except models HTME-KMS 10-10-KC and HTME-KMS 20-20-KC).
### Deposit Box Cabinets

<table>
<thead>
<tr>
<th>Model</th>
<th>Deposit Boxes (Standard)</th>
<th>Deposit Boxes (Maximum Configuration)*</th>
<th>Weight (in Kg)</th>
<th>Dimensions (H X W X D in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTME-KMS 10-DBC</td>
<td>10</td>
<td>on Request</td>
<td>45</td>
<td>1075 x 782 x 200</td>
</tr>
<tr>
<td>HTME-KMS 20-DBC</td>
<td>20</td>
<td>on Request</td>
<td>55</td>
<td>1075 x 782 x 200</td>
</tr>
<tr>
<td>HTME-KMS 30-DBC</td>
<td>30</td>
<td>on Request</td>
<td>90</td>
<td>1075 x 1342 x 200</td>
</tr>
<tr>
<td>HTME-KMS 40-DBC</td>
<td>40</td>
<td>on Request</td>
<td>95</td>
<td>1075 x 1342 x 200</td>
</tr>
<tr>
<td>HTME-KMS 50-DBC</td>
<td>50</td>
<td>on Request</td>
<td>130</td>
<td>1075 x 1902 x 200</td>
</tr>
<tr>
<td>HTME-KMS 100-DBC</td>
<td>100</td>
<td>on Request</td>
<td>185</td>
<td>1075 x 2855 x 200</td>
</tr>
<tr>
<td>HTME-KMS 150-DBC</td>
<td>150</td>
<td>on Request</td>
<td>310</td>
<td>1075 x 4370 x 200</td>
</tr>
</tbody>
</table>

**Security also for assets - the Deposit Box Cabinets.**

The advantages of the HARTMANN TRESORE Key Management System can also be used for the secure storage and management of valuables and assets. In addition to this, the system can be equipped in a combined version: key positions and deposit boxes.

The deposit boxes are available in various standard sizes, for example for mobile phones, badges or large key bundles. Other sizes are available, allowing the system to be used to store and manage a wide range of items - notebooks, tablets, mobile phones, handhelds, tools, documents, medications, luggage, or other items. On request, the compartments can be equipped with a built-in scale, an internal key holder, an LED interior light as well as a USB charger. In case of increased safety requirements, the system can be installed in a safe.
**Key Safes**

<table>
<thead>
<tr>
<th>Model</th>
<th>Key Positions (Standard)</th>
<th>Key Positions (Maximum Configuration)*</th>
<th>Weight (in Kg)</th>
<th>Dimensions (H X W X D in mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HTME-KMS 100-KSC</td>
<td>100</td>
<td>on Request</td>
<td>180</td>
<td>1500 x 600 x 550</td>
</tr>
<tr>
<td>HTME-KMS 200-KSC</td>
<td>200</td>
<td>on Request</td>
<td>215</td>
<td>1500 x 600 x 550</td>
</tr>
<tr>
<td>HTME-KMS 300-KSC</td>
<td>300</td>
<td>on Request</td>
<td>250</td>
<td>1500 x 600 x 550</td>
</tr>
<tr>
<td>HTME-KMS 400-KSC</td>
<td>400</td>
<td>on Request</td>
<td>285</td>
<td>1500 x 600 x 550</td>
</tr>
</tbody>
</table>

**Gun Storage for long weapons and rifles**

NEW
Modules

Key Module-10
1 unit height KeyModule with 10 keyplaces

Box Module-1u2D v2.0
1 unit height BoxModule with 2 boxes

Box Module-2u2D
2 unit height BoxModule with 2 boxes

Box Module-1u1D v2.0
1 unit height BoxModule with 1 box

Built-in measuring tray

Inside keyholder
Optional Features

- Card reader
- Weight Sensor
- CleverKey Keyholder with RFID-chip
- External Key and card holder box
- Face Recognition
- Alcotest
- Phone and card storage Smallest scale storage
- Tablet and phone storage Medium scale storage with USB charger
- Notebook storage
- Handgun storage Storage with built in measuring tray
- Handbag storage
Sample Configurations
HARTMANN TRESORE MIDDLE EAST

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