

# KEY TRACKER®

## ULTIMA RFID



### Hardware

#### Controller

CPU  
ARM9 Series Micro-Processor  
ARM® High-performance 64-bit Instruction Set, 32-bit Instruction Set  
Thumb® High Code Density 16-bit Instruction Set  
200 MIPS at 180 MHz, Memory Management Unit  
16-KByte Data Cache, 16-KByte Instruction Cache write Buffer

#### Additional Embedded Memories

16K Bytes of SRAM and 128K Bytes of ROM  
System Peripherals for Enhanced Performance  
Enhanced Clock Generator and Power

#### Management Controller

System Timer Including Periodic Interrupt, Watchdog and Second Counter  
Real-time Clock with Alarm Interrupt  
Ethernet MAC 10/100 Base-T  
USB 2.0 Full Speed (12 Mbits per second) Device Port  
Four Universal Synchronous/Asynchronous Receiver/Transmitters (USART)

#### Memories

NOR FLASH: 2MB on board  
NAND FLASH: 32MB on board  
SD Card: 128M ~ 1G portable card socket

#### Time Clock

Battery backup Real Time Clock (RTC)  
Permanent Calendar (Second, Hour, Day, Month, Year)

#### Operation Panel

LCD Display  
High resolution LCD  
ASCII font: 16 characters x 4 rows;  
Chinese font: 8 characters x 4 rows  
Classical white color backlight  
User-friendly GUI: dynamic cursor position follow user input; highlight with inverse background and font color; multiple selections with up, down, left, right keys

#### Keypad

High quality Silicone rubber keys  
0~9 ten numeric keys; [ & ] and [ # ] keys represent backspace and enter  
4 function keys placed below the LCD window totally the dynamic graphical icons that are displayed on the LCD  
Beeper integrated

#### Integrated IP Camera

Capture user photo image  
Wide-angle lens  
Infra-red redeeming light

#### Card Reader

Standard  
Mifare Proximity Card  
Optional  
HID Proximity Card  
EM Proximity Card  
EZ-Link Proximity Card  
Fingerprint  
Fingerprint + Mifare Proximity Card  
Connect to any third party 32 bit Card ID reader with wiegand port

#### GSM Modem

Dual band – GSM900/1800  
SMS notification to config user when alarm occurs or system failure  
SMS reminder to user when withdrawal key expired  
Able to send the SMS message up to 5 users upon activation for each alarm  
Key Slots Cabinet

#### Key-Slots Capability

12 Key-slots  
24 Key-slots  
48 Key-slots

#### Security Guarantee

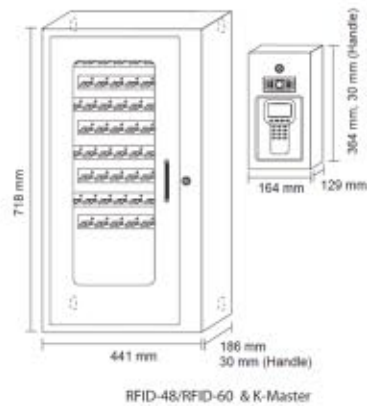
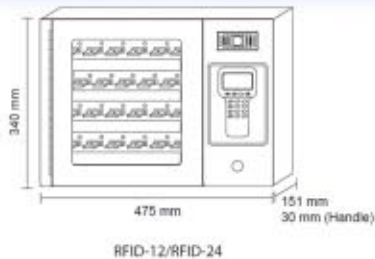
Body: 1.5 mm Steel Plate  
Key Slots are make of high security metal tag  
Tamper proof key ring with laser engraved number  
Key-Slots Door: Tamper Proof Glass Window;  
Electric Strike (Power off to lock) , Door States Sensor  
Maintenance Door: High security mechanical lock (international patented), Door States Sensor  
Master Key for Emergency Release of all keys number  
Super Bright LED Night Lighting  
3 Color LED indicate the Key-Slots states

#### System Capability

5,000 users  
Manage up to 5,120 keys  
320 general key groups and 64 multi-user access groups  
64 time schedules  
10,000 transactions  
10,000 user photo images

#### Power Supply & Battery Charger

Power supply unit: 12Vdc +15%  
Battery: 12V, Lead Acid Fiamm Battery  
Power Down Detector & Battery Auto Cut-in  
System Battery Backup: Standby Mode more than 6hrs; Active mode about an hour



## Software

Embedded Linux OS and application software and database  
 Built web pages for system setting, configuration, monitoring & management  
 Central Management System

### Operation Features

Keypad Access  
 Admin Log-In  
 Authorize to change user personal pin  
 Edit system  
 Edit TCP/IP address  
 Withdraw & return any key  
 Tracking any withdrawn key details  
 User name or ID  
 User contact number

### User Log In

Change personal pin  
 System check  
 Check TCP / IP address  
 Withdraw & return the authorization key  
 Tracking withdrawn authorization key that is not available  
 User name or ID  
 User contact number

Check key status  
 Check/print personal records  
 Change personal password  
 Check the group & schedules personal setting

### Web Access

Super Admin Log In  
 Add/edit/remove admin  
 Config/edit/system & box info  
 Change super admin login password  
 Initialize system  
 Config system time, date, IP address, key withdraw/return mode etc

### Admin Log In

Check key status  
 Check/print records  
 Add/edit/remove user  
 Edit key info  
 Add/edit/remove general key groups and multi-user access groups  
 Add/edit/remove general schedules and special days schedules  
 Edit system  
 Upload & download database & record

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