PCSC

Intelligent Key Lock Application System

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 Memory
  - ▶ 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 broad
- NAND FLASH: 32MB on broad
- 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
- Classic white backlight
- User-friendly GUI: dynamic cursor position follows 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 link the dynamic icons displayed on the LCD
- Beeper integrated

Card Reader

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

Integrated IP Camera

- Capture user photo image
- Wide-angle lens

GSM Modem (Optional)

- Dual band – GSM900/1800
- SMS notification to the supervisor when alarm or system failure occurs
- SMS reminder to user when withdrawn key time expires
- SMS notification to up to 5 users upon activation for each alarm

Cabinet Key Positions

Cabinet Key Positions

- Key-positions-capacity
  - ▶ 12 Key-positions; 18 Key-positions; 48 Key-positions; 60 Key-positions
- Security Guarantee
  - ▶ Body: 1.5 mm Steel Plate
  - ▶ Secure steel locked key positions
  - ▶ Key-Cabinet Door: Laminated Glass Window; Electric Strike (Power off to lock), Electric Solenoid (Power off to lock), Door States Sensor
  - ▶ Master Key for Emergency Release of all keys
- 3 Color LED indicates the Key-Positions status
- Coating: OXYPLAST E5

System Capacities

- 5,000 users & manage up to 2,560 keys
- 320 general key groups and 64 multi-user access groups
- 64 time schedules; 10,000 transactions & 10,000 user photo images

Power Supply

- Power supply unit: 12Vdc +15%; Battery: 12V, Lead Acid Fiamm Battery
- Power Down Detector & Battery Auto Cut-in
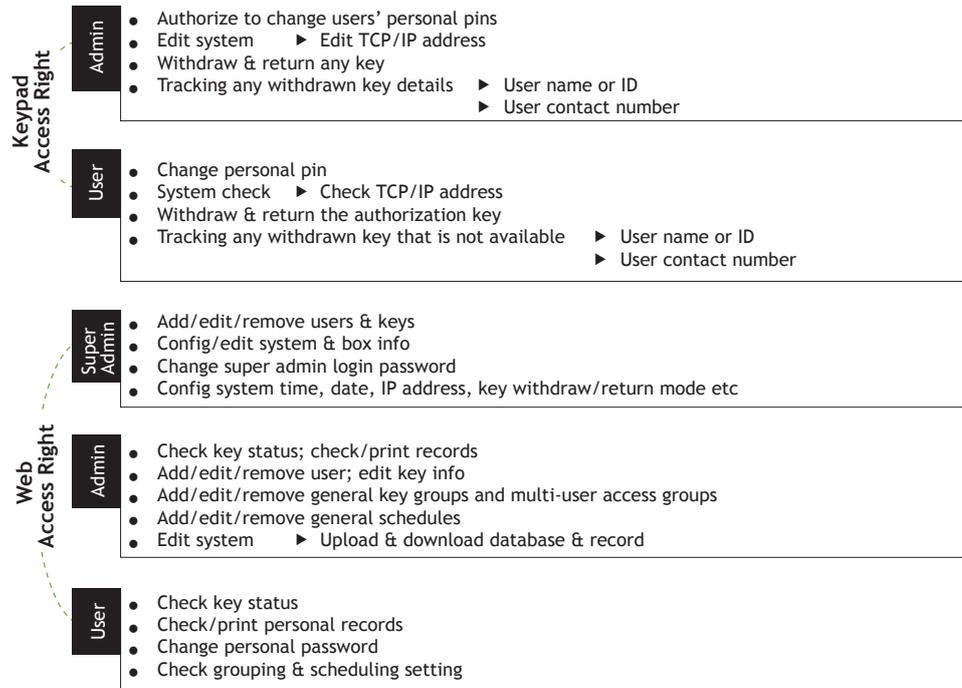- System Battery Backup: Standby Mode ≤12hrs; Active mode ≤120 Transactions

KLISS-12 / 18

KLISS-48 / 60

Software

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

Keypad Access Right

Admin
- Authorize to change users' personal pins
- Edit system ▶ Edit TCP/IP address
- Withdraw & return any key
- Tracking any withdrawn key details ▶ User name or ID
  ▶ User contact number

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

Web Access Right

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

Admin
- 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
- Edit system ▶ Upload & download database & record

User
- Check key status
- Check/print personal records
- Change personal password
- Check grouping & scheduling setting

Specifications

Items	KLISS - RFID		R-K-Master
	12/18	48/60 Box	
Input Voltage	110/240Vac	110/240Vac	12Vdc
Max Input Current	1.6A/115Vac, 1A/230Vac	2.5A/115Vac, 1.5A/230Vac	-
Frequency	50/60Hz	50/60Hz	-
Backup Batt	12V/7Ah	12V/7Ah	-
Power Down Sys Stdby	≤12hrs	≤12hrs	-
Power Down Sys Operation	≤120 Transactions	≤120 Transactions	-
Operation Temp	10°C to 40°C	10°C to 40°C	10°C to 40°C
Humidity	<95%	<95%	<95%
Size	(W) 520mm + 00mm (H) 400mm + 00mm (D) 187mm + 30mm	(W) 468mm + 00mm (H) 794mm + 00mm (D) 190mm + 30mm	(W) 164mm + 00mm (H) 364mm + 30mm (D) 129mm + 00mm
Weight	20kg	35kg	6kg
No of Key Slot	12/18 keys per cabinet	48/60 keys per cabinet	-
Operating Sys	Window XP/ Window Vista/ Linux	-	Window XP/ Window Vista/ Linux
Interface	TCP/IP	-	TCP/IP