

CSI KEY Management Specification Sheet.

- **Intelligent Key Identification:** Each key peg has a unique ID for easy tracking and management.
- **Expandable Capacity:** Start with as few as 14 keys per strip; scalable up to 196 keys using modular strips and additional cabinets.
- **Display & Keypad:** LCD display with menu and search functionality; keypad for PIN code entry.
- **Access Control:** Multi-factor authentication (PIN, card reader, RFID, biometric fingerprint/face/iris).
- **Alarm & Battery Backup:** Audible alarm for unauthorized access; minimum battery backup of 4 hours for uninterrupted operation.
- **Processor:** Colibri iMX7D 512MB based System on module based processor.
- **Configuration:** Free and fixed key positions; configuration via web application.
- **Physical Security:** Robust, galvanized sheet metal, powder-coated wall-mount panel; tamper-proof design.
- **Green Light Glow:** Each key position has a green LED for proper identification of keys.
- **SS Key Fob:** Stainless steel key fob with engraved number.
- **Non-lockable Pegs:** IntelliPin based, unique identification with locking groove.
- **Tempered Proof Key Rings:** Custom crimping tool for secure key rings.
- **Low Battery Alarm:** Indicator for low battery status.
- **Emergency Release:** Button on portal and emergency PIN on cabinets; manual release provision for all keys in case of system failure.
- **Power Supply:** 230V AC, 50 Hz.
- **Network:** Ethernet connectivity; accessible over IP address.
- **System on Module:** Colibri iMX7D 512MB-based processor.
- **User Types:** Different admin and user authorities.
- **User Management:** Assign user types, set validity periods, restrict key removals, dual-level authentication.
- **Admin Access:** Full access to all keys in case of failover.
- **Activity Code & Time Slot:** Rule creation for user, activity code, and time slot-based access.
- **Language Settings:** Individual language settings available.

- **User Deactivation:** Option to deactivate users.
- **Key Booking:** Book specific keys; restrict access for other users before booking.
- **Centralized Control:** Manage cabinet, users, and keys from a single web interface accessible from PC, tablet.
- **Event Logging:** Comprehensive audit logs for all key access and management events; exportable as PDF.
- **Remote Management:** Real-time monitoring and control from anywhere.
- **Reporting:** Daily statistics, top users, top keys, system-wide key status, and customizable report generation.
- **Alarm Notifications:** Email alerts for unauthorized access or overdue keys.
- **Key Status:** Graphical representation of key box status; hover to view slot, name, and assigned user.
- **Delete/Add Keys:** Add, delete, and assign keys via the portal.
- **Key Not Returned Alert:** Notification if keys are not returned to the system.
- **Location Name and Battery Status:** Displayed on the portal.
- **Device Integration:** Support for card readers, RFID, biometric devices, and IoT platforms.
- **Activity Rule Creation:** Provide access to keys in specific time slots.
- **Scalability:** Modular design for easy expansion as organizational needs grow.
- **RFID/Fingerprint/PIN Access:** For front door panel and key access.
- **ID Card Processing:** Reading and processing time < 150ms.
- **Key Dispensing Time:** Typical 2–4 seconds.
- **Hooter Alarm:** Activated after more than 3 unauthorized access attempts.
- **Clear Alarm Indications:** Displayed and logged.
- **Audible Alarm:** For unauthorized access.
- **Tamper-Proof Key Rings:** Secure key rings with customized crimping tool.
- **Installation:** Wall-mount panel installation.
- **Commissioning & Training:** Included in supplier scope.
- **Support:** Application software with lifetime validity.