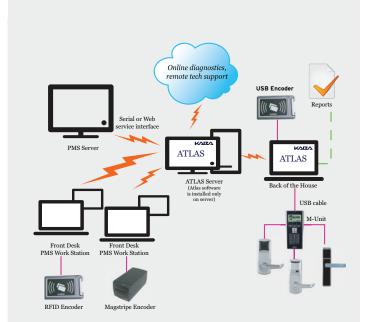# ILCO
ATLAS™ *(Advanced Technology Lodging Access System)*

Overview
ATLAS is an intuitive web-based access management system that offers comprehensive centralized auditing & enhanced reporting features. ATLAS integrates into any hotel IT infrastructure and provides hotels with a user friendly and efficient method of managing & controlling access and collecting both system and lock data

Compatibility
Compatible with Confidant RFID, Q90, 790, 770, Generation E-760 and Solitaire 710/710-II locks

Applications
- Suitable for small to very large scale hotels
- Mag Stripe and RFID systems
- PMS/POS/Self check-in kiosk interfacing

Security Features
- Time-based access control system with user selectable keycard expiry
- Keycard encryption: proprietary and unique to each installation
- Encrypted keycards using a proprietary encryption algorithm (the data on the card does not reveal the room number)
- Operator password required for any system operation
- Operator levels: 8
- Audit trail: unlimited keycard-making transactions, sorted by room, operator, or key type

System Features

Property Size	Maximum 16,000 rooms and 1,000 suites (maximum of 8 inner doors per suite)
Common Areas	8 guest and 16 staff common areas plus 64 additional common areas (V.3.1 with 790 V.2)
Restricted Areas	200
Staff Access Levels	5 Sub-Master levels per lock: 255 sections, 255 floors, 255 areas, 255 groups, 255 zones
Room# Description	64 characters (alphanumeric digits)
Keycards Validity	Selectable from one hour to 7 years
Pre-registered Guest	Keycards can be made up to 10 days in advance
Time Zone	Predefined time zones available for staff keycards in locks 8 customer defined time zones available for guest, staff & passage option in RAC card reader & 790-II
Keycards	Low/high coercivity track 1, 2 or 3 magnetic stripe cards or Mifare Mini, 1K or 4K RFID cards
Keycard Handling	Motorized or RFID encoder
Compatibility	POS and PMS
Server Operating System	See minimum requirements on NEXT page
Number of Workstations	50 maximum LAN/WAN
Workstation Browser	IE 6.0 and higher
Communication with Locks	Through the Kaba M-Unit

Minimum Requirements (Server)

OS	Windows XP PRO, Vista Business (32 or 64 bits), Windows 2003 Server, Windows 2008 Server 7 Professional (32 or 64 bits)
Software	NET Framework 2.0 Web Server - IIS (Internet Information Services) Message queuing
Hardware	CPU – Dual core or above RAM – 2GB Serial port (for serial PMS only) The server must be on the hotel network with a static IP address.

Minimum Requirements (Workstation Minimum)

OS	Windows XP Pro, Vista Business, Windows 7 Professional
Software	Internet Explorer NET Framework 2.0
Hardware	CPU - P4 or above RAM -1GB (recommended) Serial port (For serial PMS only) USB ports (for encoders) IMPORTANT NOTICE: Windows Home is not suited for network applications.
Network	Windows with name resolution: e.g. DNS Server

ATLAS Characteristics

Database	SQL-SERVER 2005 Express
Reports (view and print)	System activities / Lock audits / Lock operations / Database – Employee list / Database – Access point list / Database – Operators list / Operator login / logout
PMS Interface Connection	Kaba serial interface Option: web service (XML/SOAP)
POS Interface	ISO Standard for track 2 or specific RFID sector
Employee ID	ISO Standard for track 2 or specific RFID sector
Remote Management / Diagnostics	Downloadable App from client
Encoders	Motorized encoder ILCO format Motorized encoder THRIFT format Contactless encoder (Mifare, ISO 14443)
Maintenance Unit	Kaba M-Unit

Warranty

Standard Factory	Two years
Extended Warranty	Kaba Service Plans (Platinum, Gold, Silver)