KS210 Server Cabinet Locks

Integrated Wired Electronic Access Control Swing Handle Server Cabinet Locks

Features

Standard Features

- KS210 (RS-485 OSDP) Communication
- Integrated HID Mobile Access Enabled multiCLASS SE RFID Card Reader with Bluetooth Option
- Integrated Locked State and (Optional) Door Status Monitoring
- (Optional) Auxiliary Lock Output
- Cam Activated
- Non-Handed
- Mechanical 6 or 7-pin SFIC Key Override (Includes compatibility with MEDECO XT Intelligent Keys)
- Only compatible with iSTAR Ultra
- Black Finish
- SecuriCare three-year, no-fault, no questions asked warranty

Designed to integrate seamlessly with Software House C•CURE 9000 and protect critical assets from intrusion and expensive downtime.

Designed for use with standard 150 x 25 mm cutouts, the KS210 Server Cabinet Locks come standard with lock monitoring and utilizes an SFIC (Small Format Interchangeable Core) mechanical key override. An additional optional extended DPS monitoring sensor can be connected to ensure that the cabinet is closed, locked and secure. The hard powered KS210 features HID multiCLASS SE® contactless card technology with NFC and BLE.

Accessories

- SFIC Mechanical Key Override (sold separately)
- SFIC MEDECO X4 SFIC Cylinder & 2 keys (1 control, 1 user)
- SFIC-BC KS SFIC Blank, Black Plastic Core
- Compatible for use with Medeco XT Intelligent Keys & Cores
- KS-DPS Surface Mount DPS (external)
- KS-CAM38 CAM: 38MM-1
- KS-CAM45 CAM: 45MM-5
- CBL6-QC4 KS210 Lock Side Interface Cable: 6 foot, 12 conductor and Molex both ends
- CBL12-QC4 KS210 Lock Side System Interface Cable: 12 foot, 12 conductor and Molex one end, pinned one end
- HSA-OSDP-DB KS210 OSDP distribution box

Specifications

- Certifications
- Patents Pending & D725,992
- FCC Part 15 & Industry Canada (ICES) Compliant
- UL Listed (UL294 7th Edition)
- CE Certified (Compliant with Directive 2014/53/EU)
- RoHS3 Compliant
- CA Prop 65
- WPC Registered (Equipment Type Approval under O.M. No. ETA-WPC/Policy/2018-19 dated 26 February 2019)

Electrical

- Dual voltage 12/24 VDC
- 130 mA at 12 or 24 VDC (peak)

Holding Force

- Static strength 350 lbs

Environmental

- Operating Temperature: 32˚ to 122˚F [0˚ to 50˚C]
- Indoor Use Only

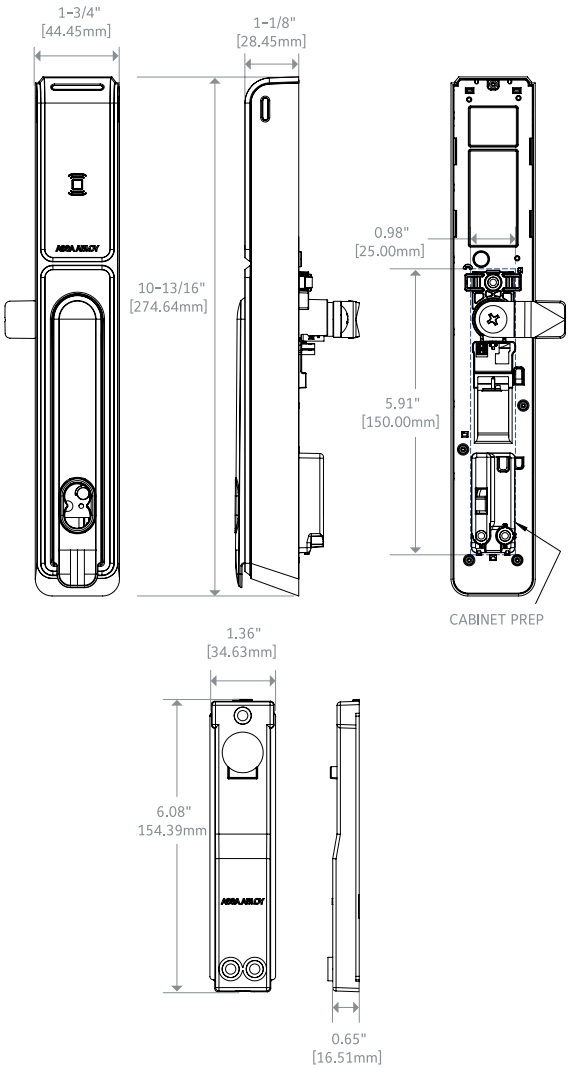
Software House

- C•CURE 9000 iSTAR Ultra / iSTAR Ultra G2 firmware 6.9.2 or newer
- C•CURE 9000 v2.90 SP5 or newer

Card Technology

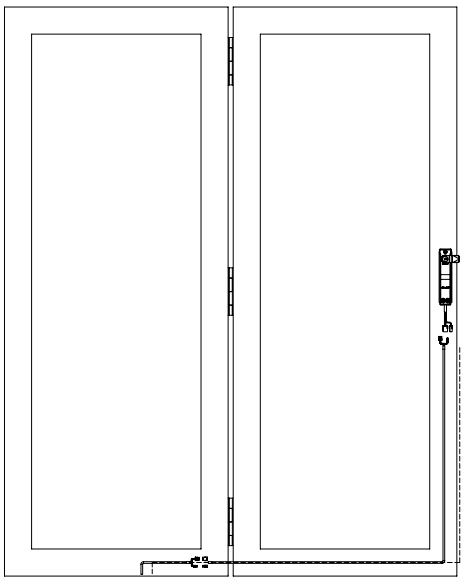
- Supports 13.56 MHz & 125 kHz credentials
- High Frequency (13.56 MHz)
- HID iCLASS®
- HID iCLASS SE® (SIO®-enabled)
- HID iCLASS® Seos®
- ISO 14443b UID
- MIFARE Classic™
- MIFARE DESfire™ EV1
- MIFARE DESfire™ SE
- MIFARE DESFire EV2 (Legacy Mode)
- FeliCa™ (IDm)
- 40-bit PIV-I
- 64-bit PIV-I
- 75-bit PIV-I
- 128-bit PIV-I
- 200-bit PIV-I
- Low Frequency (125 kHz)
- HID® Prox
- EM4102
- AWID Prox
- HID BLE* & NFC Mobile Access Enabled

*HID BLE mobile access options supported by KS210 models when using BLE-enabled mobile phones



PART NO.	CAM	CAM LENGTH	CAM DEPTH
Included	38mm – 4 (standard)	1-1/2" [38 mm]	1" [25.4 mm]
KS-CAM38	38mm – 1 (optional)	1-1/2" [38 mm]	1-1/10" [28 mm]
KS-CAM45	45mm – 5 (optional)	1-3/4" [45 mm]	7/10" [18 mm]

Server Cabinet Door



NOTE: All wiring is located on the inside of the door and server cabinet

KS210-S Server Cabinet Lock

6-foot Door Harness (Part number CBL6-QC4)

12-foot Door Harness (Part number CBL12 QC4) to EAC Panel Connection

Johnson Controls

How to Order

SERIES	COMMUNICATION	MODEL	CARD TECHNOLOGY				COLOR	KEYING OPTIONS
KS	210	-S			-IPS		-B	K1
Server Cabinet Lock	210 RS-485 OSDP	S Swing Handle 150x25 mm Cam Activated	STANDARD	IPS	HID multiCLASS SE	HID Prox®, Kantech ioProx, HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC-enabled mobile phones	B Black	_ No SFIC or Blank Plastic Core (Standard)
								BC SFIC blank (Black plastic core)
			ICLASS ELITE (Restricted)*	IPEXXXXX	HID iCLASS Elite	HID iCLASS Elite Keys (ICEXXXX)*, HF Only		K1 MEDECO X4 SFIC Cylinder (DGV Commercial Keyway, Keyed Alike) with 2 Keys (1 Control & 1 User)
			BLE MOBILE ENABLED	BIPSXXXXX	HID multiCLASS SE	HID Prox®, Kantech ioProx, HID iCLASS®, HID iCLASS SE® (SIO-enabled), HID iCLASS® Seos™, HID MIFARE® SE, HID DESFire® EV1 SE, MIFARE Classic, MIFARE DESFire EV1, NFC-enabled mobile phones, Bluetooth Smart-enabled mobile phones (HID Mobile Keys (MOBXXXX)*		
			PIV-I	IPV040	RFID Only (HID iCLASS SE) PIV-I / 40 Bit FASC-N	40 Bit FASC-N message length: System + Credential (parity automatically removed), HF Only		
				IPV064	RFID Only (HID iCLASS SE) PIV-I / 64 Bit FASC-N	64 Bit FASC-N message length: Agency + System + Credential + Series + Issue (parity automatically removed), HF Only		
				IPV075	RFID Only (HID iCLASS SE) PIV-I / 75 Bit FASC-N	75 Bit FASC-N message length: Agency + System + Credential + Expiration Date (parity automatically removed), HF Only		
				IPV128	RFID Only (HID iCLASS SE) PIV-I / 128 Bit FASC-N	128 Bit FASC-N message length: Agency + System + Credential + Series + Issue + Pers Iden + Org/Ind + Pers/Org (parity automatically removed), HF Only		
				IPV200	RFID Only (HID iCLASS SE) PIV-I / 200 Bit FASC-N	200 Bit complete FASC-N number (parity included), HF Only		

OSDP 4-Wire Distance Chart

OSDP 4-WIRE CABLE DISTANCES								
12 VDC 1.5A	WIRE RUN							
DISTANCE (ft.)	100		150		200		500	
AWG	18	22	18	22	18	22	18	22
Number of Locks 1	✓	✓	✓	✓	✓	⊘	✓	⊘
2	✓	✓	✓	✓	✓	⊘	⊘	⊘
3	✓	✓	✓	⊘	✓	⊘	⊘	⊘
4	✓	✓	✓	⊘	✓	⊘	⊘	⊘
5	✓	✓	✓	⊘	⊘	⊘	⊘	⊘
6	✓	✓	✓	⊘	⊘	⊘	⊘	⊘
7	✓	✓	✓	⊘	⊘	⊘	⊘	⊘
8	✓	✓	✓	⊘	⊘	⊘	⊘	⊘

This chart lays out the recommended maximum distances as tested. This assumes you are utilizing the 12 VDC power source from the 485 port from the Access Control panel.

NOTE: The 4-Wire OSDP multi-drop control is ONLY compatiable with OEM Access Control partners that have integrated this configuration.
ADDITIONAL NOTE: Its is recommended to install no more than (4) KS210's per RS-485 port.

OSDP 4-WIRE CABLE DISTANCES								
24 VDC 1.5A	WIRE RUN							
DISTANCE (ft.)	100		250		500		1000	
AWG	18	22	18	22	18	22	18	22
Number of Locks 1	✓	✓	✓	✓	✓	✓	✓	✓
2	✓	✓	✓	✓	✓	✓	✓	✓
3	✓	✓	✓	✓	✓	✓	✓	⊘
4	✓	✓	✓	✓	✓	✓	✓	⊘
5	✓	✓	✓	✓	✓	⊘	✓	⊘
6	✓	✓	✓	✓	✓	⊘	⊘	⊘
7	✓	✓	✓	✓	✓	⊘	⊘	⊘
8	✓	✓	✓	✓	✓	⊘	⊘	⊘

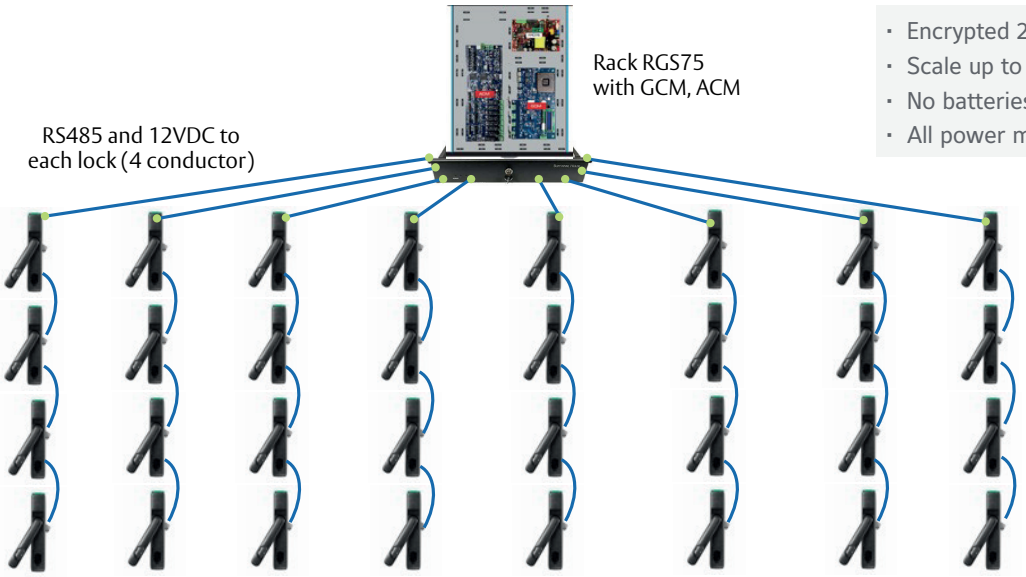
This chart lays out the recommended maximum distances as tested. This assumes you are utilizing a dedicated 24 VDC power source and not from the RS-485 port of the connected controller which only provides 12 VDC/1.5A.

NOTE: The 4-Wire OSDP control is only compatiable with OEM Access Control partners that have integrated this configuration.
ADDITIONAL NOTE: Its is recommended to install no more than (4) KS210's per RS-485 port.

iSTAR Ultra Diagram

Powerful, Scalable Data Center Control Using OSDP

Efficiently control data center access without wireless communication or batteries



- Encrypted 2-way communications server lock
- Scale up to 32 locks per iSTAR
- No batteries = less maintenance
- All power managed by iSTAR

Aperio KS210
Server Cabinet
Locks