Infra Solution® S — Standalone Rack Access Control

AUSTIN HUGHES®

S-800
Standalone Rack SmartCard Handle

PROXIMITY MODEL

MiFARE MODEL

Patented & Worldwide Patents

Rack level access security has become critically important for all data centers and server rooms. More and more IT managers have recognized this need and upgraded their racks with smartcard access control. To meet the increasing needs, Austin Hughes offers the **Infra Solution® S Standalone SmartCard Handle** at affordable prices.

FC CE TAA COMPLIANT RoHS REACH

Key Benefits

>>> Designed for IT Branded Racks
InfraSolution S is designed for the global IT branded racks. Its Universal Mounting Cut-out generally allows easy integration with most third party racks so costly & complicated door customization is not required.

>>> Affordable Price
A basic rack can be upgraded with smartcard access control at an affordable price.

>>> Quality Products & Service Commitment
We are committed to providing high quality products and services. All purchases of our long life products with 2 years warranty standard can be upgraded to 5 years.

>>> Simple Components & D I Y Installation
The key hardware components for each rack just consists of a pair of smartcard handles, two door sensors and cable accessories. The hardware installation is so easy that even the end-users can do it. Both Left and Right opening handle models are available.

>>> LED for Clear Lock Status Indication
Three LED color modes on the smartcard handle indicate the lock status clearly. An authorized unlock is signaled by a silver white flashing LED. Unauthorized rack access will result in a red flashing LED following with an audible alarm while the handles are equipped with door sensors.
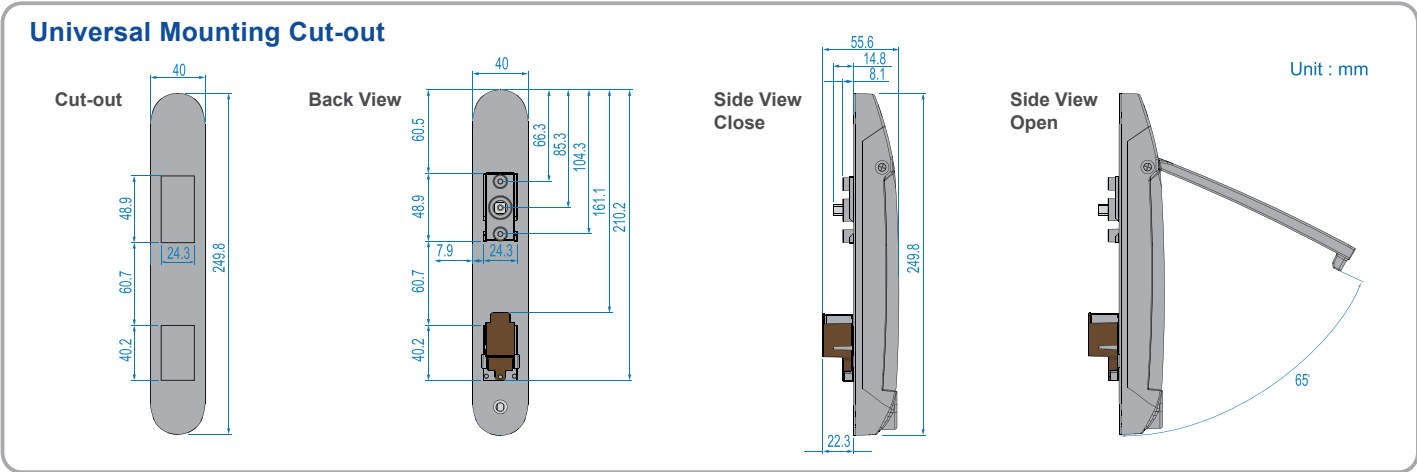
>>> Proximity & MiFARE Compatible
Compatibility issues between different access card standards are a major consideration when deploying a smartcard system. The InfraSolution standalone series caters for the two most common smartcard alternatives – the Proximity & MiFARE. User's existing smartcard can be used on S-800 if it is in either of the above.

>>> Dual Card Authentication by Administrator and User Cards
InfraSolution S offers an administrator card option to provide dual card authentication rack access. Unless the administrator card detects in advance, the smartcard hatndle cannot be unlocked by the user smartcard. The dual card authentication access makes sure that any authorized door opening is fully under the data center's monitoring.
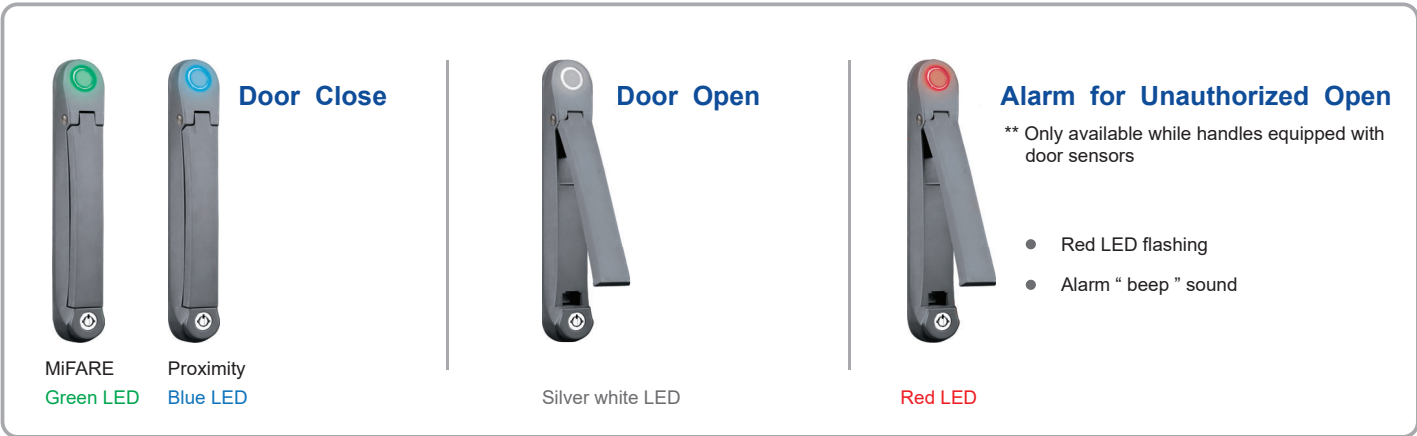
Smartcard Handle

The patented smartcard handle is an intelligent design with universal mounting cut-out. Recently, most global branded racks have applied a standard handle cut out dimension on the door. To achieve the highest level of interoperability offered in the rack industry, the S-800 handle also applies the same mounting dimension. It avoids costly and complicated door customization for the smartcard handle integration.

Universal Mounting Cut-out

Unit : mm

| Cut-out | Back View | Side View Close | Side View Open |

Handle LED for Lock Status Indication

The LED color on InfraSolution S standalone smartcard handle provides the clear indication on the lock status. User can view the handle lock status just by LED handle colors.
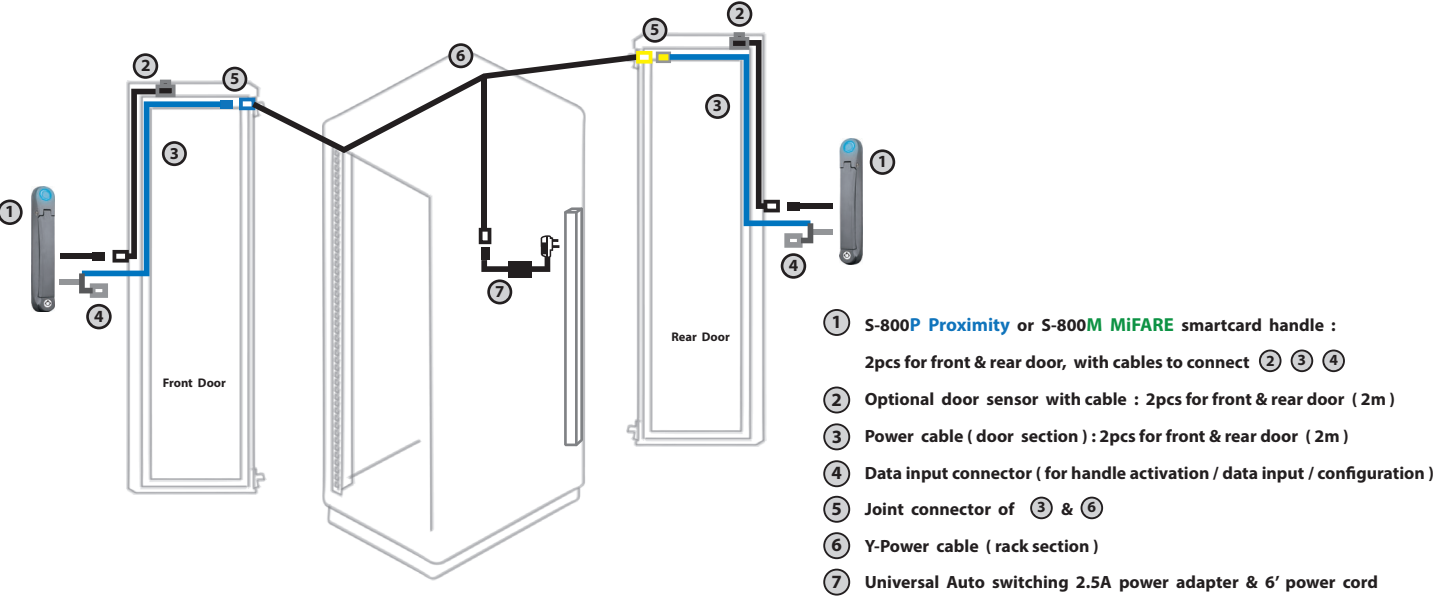
Door Close

MiFARE — Green LED

Proximity — Blue LED

Door Open

Silver white LED

Alarm for Unauthorized Open

** Only available while handles equipped with door sensors

- Red LED flashing
- Alarm " beep " sound

Red LED

Door Sensor

Optional door sensor is an essential item for alarm functions. User can be alerted by visual and audio alarm for unauthorized door opening.

IR Door Sensor (Pair)

S-DIR

- Light weight
- Magnetic base for easy setup
- No custom cutting required on doors
- Mini size (33 x 19 x 7 mm)
- With 2m cord

Inductive Door Sensor (Pair)

S-DSI

- Light weight / adhesive
- Easy for existing rack retrofit
- No custom cutting required on doors
- Mini size (32.5 x 12.2 x 9.2 mm)
- With 2m cord

Mechanical Door Sensor (Pair)

S-DSW

- Low cost / precise
- Cost efficient integration to new rack
- Size (52 x 22.5 x 30.75 mm)
- With 2m cord

Quick Installation

InfraSolution S installation is simple and quick - it just involves the smartcard handles, door sensors and easy cabling.

①	S-800P Proximity or S-800M MiFARE smartcard handle : 2pcs for front & rear door, with cables to connect ② ③ ④
②	Optional door sensor with cable : 2pcs for front & rear door (2m)
③	Power cable (door section) : 2pcs for front & rear door (2m)
④	Data input connector (for handle activation / data input / configuration)
⑤	Joint connector of ③ & ⑥
⑥	Y-Power cable (rack section)
⑦	Universal Auto switching 2.5A power adapter & 6' power cord

Free & User friendly Software

InfraSolution S provides two user-friendly software free. **UTILITIES ISU-01** is ideal for the initial setup and simple operation. To look for relatively high requirements like the reporting feature and password security, **MANAGER ISM-01** will be the one you should apply for.

Software Features	Utilities ISU-01	Manager ISM-01
Max. 500 pairs of handle		✔
Max. 50 user card authorization per handle	✔	✔
Dual or single card mode authentication**	✔	✔
Enable or disable door sensor detection**	✔	✔
Detailed user card information		✔
Reporting on configuration details		✔
Log in password		✔

** Optional feature

Utilities (ISU-01)

Manager (ISM-01)

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PS-IS-S800-Q324V1

Order Tips

>> **Smartcard handle model - Proximity OR MiFARE**

Model	Proximity	MiFARE
S-800P	✔	
S-800M		✔

>> **Smartcard handle open direction - Left OR Right**

S-800P / S-800M support left side open only. If user requires right side open, change the order part no. to S-800P-R / S-800M-R

>> **Order the handle data input cable (ISW-USB-1.8)**

At least one data input cable for each installation site.

>> **Optional door sensor - Inductive (S-DSI) OR Mechanical (S-DSW)**

Door sensor is essential for visual & audio alarm and able to achieve a more user-friendly operation.

Skip the option If audio & visual alarm is not required.

>> **Select the free software - Utilities (ISU-01) OR Manager (ISM-01)**

InfraSolution S provides two user-friendly software free. ISU-01 is ideal for the initial setup and simple operation. To look for relatively high requirements like the reporting feature, ISM-01 will be the one you should apply for.

>> **Pick the right power plug**

Different power cords for selection :

NEMA   UK   Schuko   AU   India   IEC C14

Value-Add Options

>> **Enjoy the warranty upgrade from 2 years to 5 years**

>> **Upgrade key lock**

· Individual key lock (ISK-C051) - Up to 500 individual key-locks available

· Unique key lock (ISK-UKL)
  - Unique key dedicated to single project / customer regionally
  - For project size over 500 racks

>> **Order smartcard & card reader**

· Proximity 26-bit Smartcard (ISC-P10)
· MiFARE 26-bit Smartcard (ISC-M10)

· Proximity Smartcard Reader (ISC-PCR)
· MiFARE Smartcard Reader (ISC-MCR)

>> **Consider dual card authentication for additional security**

(DCS-01)

Optional Accessories

IR door sensor with 2m cord, pair   (S-DIR)
- Light weight & mini size with magnetic base
- Easy for existing rack retrofit or integration to new rack

Inductive door sensor with 2m cord, pair   (S-DSI)
- Light weight, mini size & adhesive
- Easy for existing rack retrofit or integration to new rack

Mechanical door sensor with 2m cord, pair   (S-DSW)
- Cost efficient integration to new rack

Handle data input cable, pc   (ISW-USB-1.8)
- Connect the smartcard handle to the laptop for handle activation, data input & configuration

Individual key lock, set of 2 for front & rear door (ISK-C051)
- Up to 500 individual key-locks available

Unique key lock   (ISK-UKL)
- Unique key dedicated to single project / customer regionally
- For project size over 500 racks

Dual card authentication   (DCS-01)
- Software upgrade for additional security
- Rack access by administrator card + user card
** Order this option before the delivery

Proximity smartcard, pack of 10   (ISC-P10)
- Proximity 26-bit format
- Single card for multiple application
- Custom card layout available

MiFARE smartcard, pack of 10   (ISC-M10)
- MiFARE 26-bit format
- Single card for multiple application
- Custom card layout available

Proximity card reader   (ISC-PCR)
- Proximity 26-bit smartcard compatible
- Convenient way for smartcard ID reading
- Driverless for easy installation

MiFARE card reader   (ISC-MCR)
- MiFARE 26-bit smartcard compatible
- Convenient way for smartcard ID reading
- Driverless for easy installation

Austin Hughes has an extensive distribution network, including the Americas, EMEA, ASEAN & APAC.
Contact your nearest sales office for details of local representation.

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