

### S-600 Standalone Rack SmartCard Handle



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 **InfraSolution® S Standalone SmartCard Handle** at affordable prices.



## Key Benefits

### >>> 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 & Easy 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-600 if it is in either of the above.

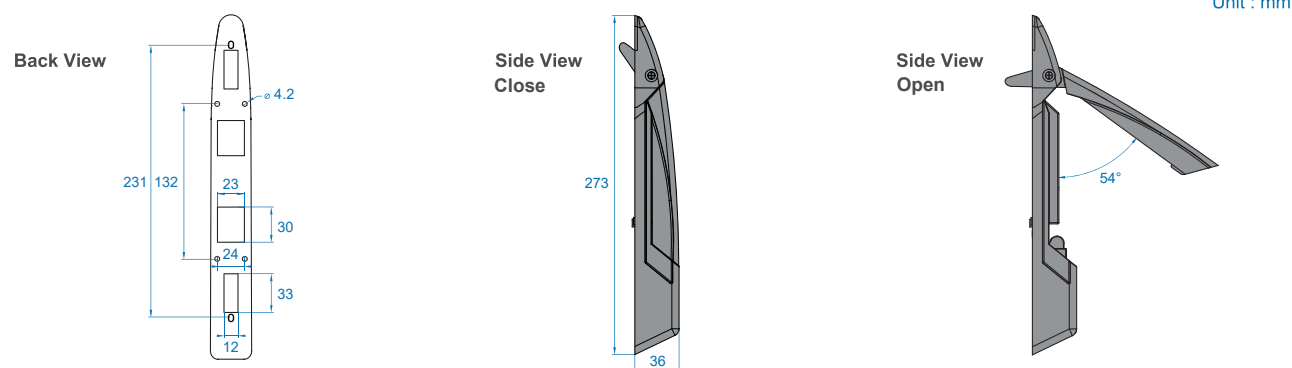
### >>> Dual Card Authentication by Administrator and User Cards

InfraSolution S offers an administrator card option to provide dual card authentication rack access. Unless the administrator card detects in advance, the smartcard handle 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 S-600 smartcard handle mounting is not compatible to the universal mounting cut-out. Nevertheless, the rack manufacturers just need to make a custom handle mounting cut-out on the door to suit S-600 smartcard handle. It is an alternative for users who look for a handle with a stylish and different outlook design.

### Mounting Cut-out



## 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 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)

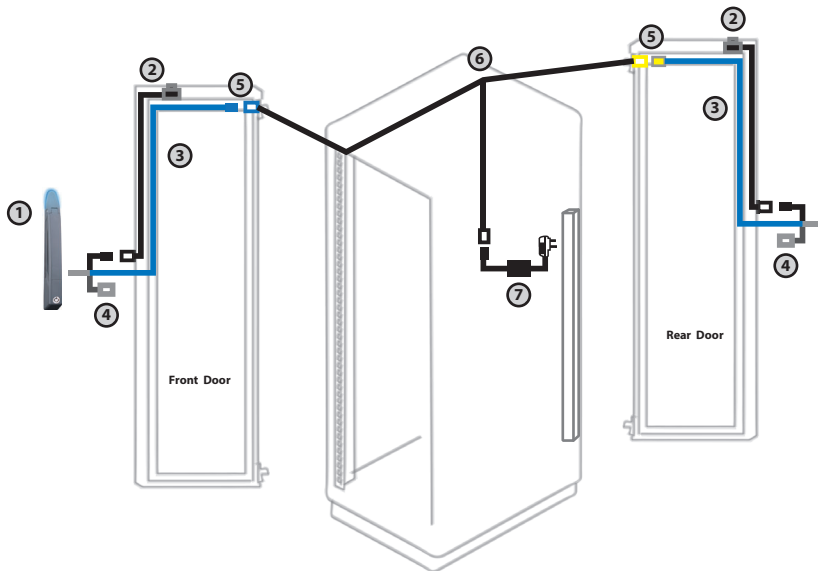
S-DSW



- 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-600P Proximity or S-600M 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 )

**Handle Information**

Handle ID SHID-01FD701BE8A  
Model no. S-600P  
Type Proximity  
Last updated 2013 / 04 / 16 17:09

**Handle Location**

Zone Demo\_Zone\_A  
Rack Demo\_Rack\_A  
Handle position ☐ Front ☒ Rear

**Door Sensor**

☐ Disable ☒ Enable  
Ensure you have ordered door sensors and finished the installation and connection. Otherwise, DO NOT enable door sensor as it will cause malfunction.

**Card Access Mode**

☒ Normal ( User card only )  
☐ Dual card authentication ( Administrator card + User card )

Apply Cancel Export Import

Status: Synchronizing data with handle [ SHID-01FD701BE8A ] .....100%

**Card Assignment ( Max. 50 )**

1 00104531	26 00104568
2 00026156	27 00104599
3 10800074	28 00104781
4 00105208	29 00105310
5 10803508	30 10804577
6 10803513	31 10804567
7 10803512	32 10804598
8 00104532	33 10804599
9 10800077	34 00103511
10 00105308	35 00103519
11 00105209	36 00026151
12 00104534	37 00026152
13 10803353	38 00026153
14 10803325	39 00026157
15 00026155	40 00026161
16 00026158	41 10806778
17 10800088	42 10806779
18 10800079	43 10806888
19 00104462	44 10806887
20 00104623	45 00105533
21 00104618	46 00105539
22 00105311	47 00105535
23 00105671	48 00104533
24 00105669	49 00104538
25 00105666	50 10808867

### Manager ( ISM-01 )

SmartCard Handle

View  
Setting  
Event  
Report  
Backup  
Restore

Help  
User Manual  
FAQ  
Trouble shooting  
Support

#### Event

First / Previous 1 2 3 4 5 6 7 8 9 10 Next / Last Last 2000 Events.

Date	Time	Event	Description
2013/04/12	18:19:23	Handle	Enable SHID-01FD162C77E Door Sensor
2013/04/12	18:19:22	Handle	Change SHID-01FD162C77E Position - rear
2013/04/12	18:19:21	Handle	Change SHID-01FD162C77E Rack - 59889
2013/04/12	18:19:20	Handle	Change SHID-01FD162C77E Zone - 5989898
2013/04/12	18:19:19	Handle	Delete SHID-01FD162C77E Card Holder - 1231
2013/04/12	17:59:43	Administrator Card Holder	Add Administrator Card Holder - 265 156156(161)
2013/04/12	17:46:33	Handle	Disable SHID-01FD162C77E Door Sensor
2013/04/12	17:46:32	Handle	Change SHID-01FD162C77E Position - front

## Order Tips

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

Model	Proximity	MiFARE
S-600P	✓	
S-600M		✓

### >> 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



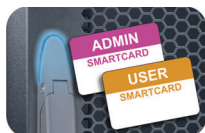
### >> Upgrade key lock

- 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 )
- Proximity Smartcard Reader ( ISC-PCR )
- MiFARE 26-bit Smartcard ( ISC-M10 )
- 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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