InfraRack

Design for Next-Gen Data Centers

AUSTIN HUGHES®

InfraRack *S6* Standalone Series

PROXIMITY
SMARTCARD

MiFARE
SMARTCARD

To meet the increasing demands of data centers, Austin Hughes have launched the latest on rack intelligence.

InfraRack *S6* series is the perfect but affordable solution that provides an easy approach to the rack essentials in the 21st century data centers.

Key Benefits

>>> Rack Standard for Next Generation Data Centers

Today's data center have to be well-managed, more efficient and powerful. InfraRack S6 integrates smartcard security & auto lighting solutions to provide data center with an intelligent rack approach.

>>> Standalone Rack Access Control

Rack level access security has become critically important for data centers. InfraRack is integrated with pair of smartcard handles with dual locking systems (electronics & mechanical lock).

>>> High Quality Illumination

InfraRack S6 bundles with stylish LED light bar for rack level illumination. By the integrated IR sensor, the LED light bar provides the Auto ON / OFF mode. Magnetic base design for tool-less affix & flexible positioning.

>>> Plug & Play

The smartcard handles, LED light bar & door sensors are well-integrated to the InfraRack with cabling. Moreover, one authenticated smart-card is bundled. A new InfraRack S6 delivered is ready to use once power on.

>>> High Quality IT Rack

Well-engineered InfraRack covers heavy duty & medium duty series for a variety of requirement.

>>> Proximity & MiFARE Compatible

Compatibility issues between different access card standards are a major consideration when deploying a smartcard system. InfraRack S6 standalone series caters for the two most common smartcard alternatives – the Proximity & MiFARE.

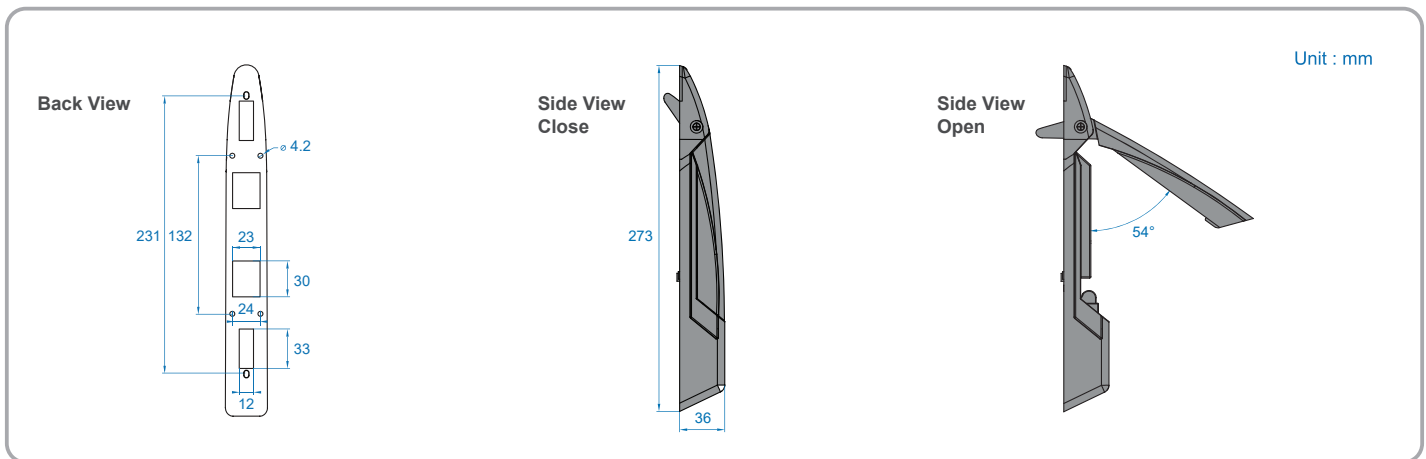www.austin-hughes.com

PS-IR-S6-Q324V1

The patented **Infra Solution**® S-600 standalone smartcard handle is designed for rack level access security of all data centers and server rooms at affordable prices. LED color modes on the smartcard handle indicate the lock status clearly that even authorized unlock and unauthorized rack access can be distinguished. Optional dual card authentication rack access by administrator and user cards is available from S-600 series.
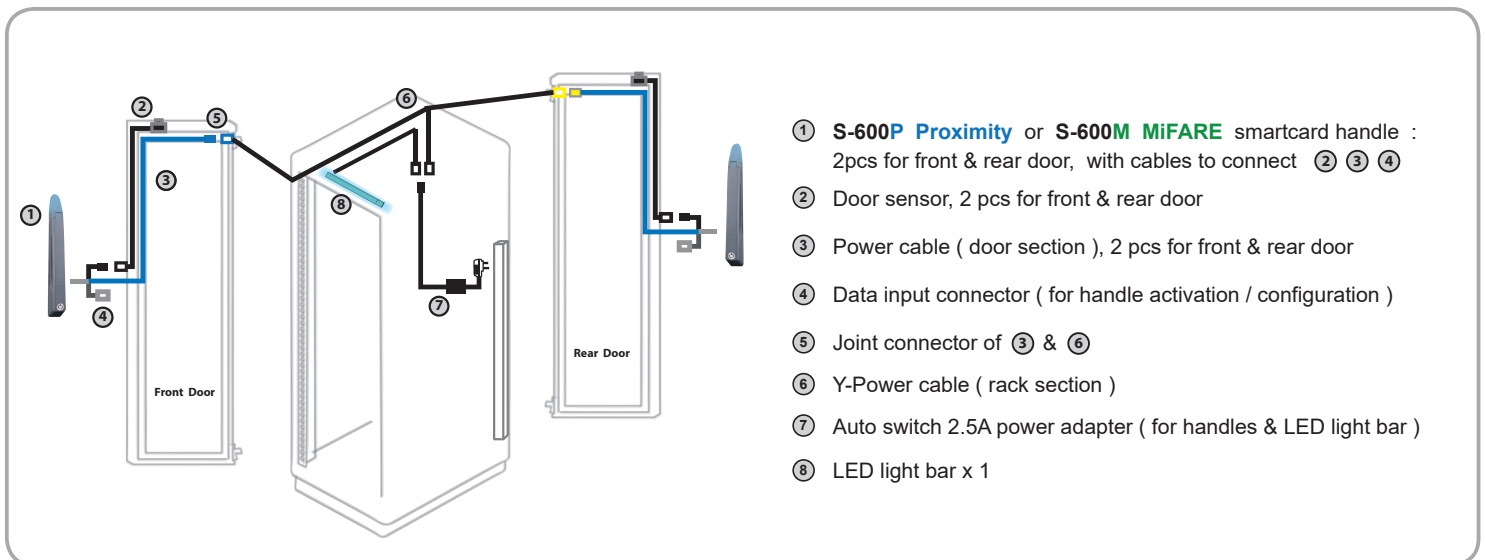
Patented and Worldwide Patents

S-600P		Features		S-600M
		Intelligent design with patent		
	✔	Proximity 26-bit smartcard compatible		
		MiFARE 26-bit smartcard compatible	✔	
		Dual locking system (electronics and mechanical lock)		
		Electronic lock released either by smartcard or software		
		Rack access status and alarm indication by LED		
		Individual key lock option available		
		Support 3-pt lock mechanism		

PROXIMITY SMARTCARD

MiFARE SMARTCARD

Stylish Mechanical Design

Unit : mm

Back View

4.2
231 132 23
30
24
33
12

Side View Close
273
36

Side View Open
54°

Connection Diagram

① **S-600P Proximity** or **S-600M MiFARE** smartcard handle : 2pcs for front & rear door, with cables to connect ② ③ ④

② Door sensor, 2 pcs for front & rear door

③ Power cable (door section), 2 pcs for front & rear door

④ Data input connector (for handle activation / configuration)

⑤ Joint connector of ③ & ⑥

⑥ Y-Power cable (rack section)

⑦ Auto switch 2.5A power adapter (for handles & LED light bar)

⑧ LED light bar x 1

Front Door

Rear Door

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

- Red LED flashing
- Alarm " beep " sound

Red LED

Free & User Friendly Utilities (ISU-01)

InfraRack S6 series provides a free GUI for smartcard authorization in a quick & simple way :
- Max. 50 user card can be authorized per handle
- Dual card authentication available for further security requirement

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)   Card edit   Delete

#	Card	#	Card
1	00104531	26	00104558
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	00104452	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

Free LED Light Bar   (CLB-SD-IR-101)

- InfraRack S6 series bundles with a free LED light bar
- LED light bar auto ON / OFF by door status change
- Magnetic base & low profile design

SR Key Highlights

- Heavy duty server rack
- Access control w/ **MiFare** or **Proximity** smartcard handle x 2
- LED light bar x 1
- 600 & 800 wide models meet up-to-date requirements of global data center
- Perforated rack doors ensure ideal airflow direction
- Well-engineered to accommodate tool-less mounting PDU x 4
- Framework allows multi-dimensional cable pathways and numerous efficient cabling options
- Easy to deploy and adaptable to Aisle containment to achieve efficient airflow management
- Quick release mechanism design for doors and split side panels
- Tool-less adjustment for front and rear 19" rails

MiFARE SMARTCARD

PROXIMITY SMARTCARD

RoHS REACH

600W	Package No.	Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
42U	**Infra-S6-SR-6042**	600	24"	1072	42"	1000	39"	2035	80"	1867	74"
	Infra-S6-SR-6242	600	24"	1200	47"	1128	44"	2035	80"	1867	74"
45U	**Infra-S6-SR-6045**	600	24"	1072	42"	1000	39"	2168	85"	2000	79"
	Infra-S6-SR-6245	600	24"	1200	47"	1128	44"	2168	85"	2000	79"
47U	**Infra-S6-SR-6047**	600	24"	1072	42"	1000	39"	2257	89"	2089	82"
	Infra-S6-SR-6247	600	24"	1200	47"	1128	44"	2257	89"	2089	82"
52U	**Infra-S6-SR-6252**	600	24"	1200	47"	1128	44"	2480	98"	2312	91"

MiFARE SMARTCARD **MiFare** package - Add **M** on the model no., sample : Infra-S6-SR-6042**M**

PROXIMITY SMARTCARD **Proximity** package - Add **P** on the model no., sample : Infra-S6-SR-6042**P**

** Custom size on request

1500 kg 3300 lb

800W	Package No.	Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
42U	**Infra-S6-SR-8042**	800	31"	1072	42"	1000	39"	2035	80"	1867	74"
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** Custom size on request

1500 kg 3300 lb

SR | 600W Heavy Duty Rack

Perforated Top

Standard Split

Quick access design for
service from side panel

Fully Perforated Middle Split

Space-saving design for narrow aisle
w/ smartcard handle

Fully Perforated

Gives 80% perforated area
w/ smartcard handle

SR | 800W Heavy Duty Rack

Perforated Top

Standard Split

Quick access design for
service from side panel

Fully Perforated Middle Split

Space-saving design for narrow aisle
w/ smartcard handle

Fully Perforated

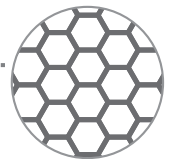Perforated w/ smartcard handle

Standard Color

- Black (RAL 9005)
- White (RAL 9016)

** Custom color on request

Fully Perforated Door

- Door ventilation up to 80% perforated area
- Stylish hexagon pattern

2

2

10

8.66

5
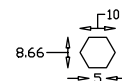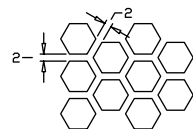
Unit : mm

NSR Key Highlights

- Medium duty server rack
- Access control w/ **MiFare** or **Proximity** smartcard handle x 2
- LED light bar x 1
- 600 & 800 wide models meet up-to-date requirements of global data center
- Perforated rack doors ensure ideal airflow direction
- Well-engineered to accommodate tool-less mounting PDU x 2
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MiFARE SMARTCARD

PROXIMITY SMARTCARD

RoHS **REACH**

600W	Package No.	Width		Depth				Height			
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MiFARE SMARTCARD **MiFare** package - Add **M** on the model no.,   sample : Infra-X8-NSR-6042**M**

PROXIMITY SMARTCARD **Proximity** package - Add **P** on the model no.,   sample : Infra-X8-NSR-6042**P**

** Custom size on request

1000 kg   2200 lb

800W	Package No.	Width		Depth				Height			
				Overall (door to door)		Effective (frame to frame)		Overall (w/ casters)		Effective	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
42U	**Infra-S6-NSR-8042**	800	31"	1072	42"	1000	39"	2035	80"	1867	74"
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PROXIMITY SMARTCARD **Proximity** package - Add **P** on the model no.,   sample : Infra-X8-NSR-8042**P**

** Custom size on request

750 kg   1650 lb

NSR 600W Medium Duty Rack

Perforated Top

Standard Plain

Tool-less installation or removal when maximizing systems or equipment density

Fully Perforated Middle Split

Space-saving design for narrow aisle w/ smartcard handle

Fully Perforated

Gives 80% perforated area w/ smartcard handle

NSR 800W Medium Duty Rack

Perforated Top

Standard Plain

Tool-less installation or removal when maximizing systems or equipment density

Fully Perforated Middle Split

Space-saving design for narrow aisle w/ smartcard handle

Fully Perforated

Perforated w/ smartcard handle

Standard Color

- Black (RAL 9005)
- White (RAL 9016)

** Custom color on request

Fully Perforated Door

- Door ventilation up to 80% perforated area
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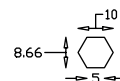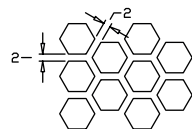
Unit : mm

Dual Card Authentication (DCS-01)
- Software upgrade for additional security
- Rack access by administrator card + user card

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

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

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

Individual Key Lock   (ISK-C051)
- Up to 500 individual key-locks available
- Set of 2 for front & rear door

Warranty Upgrade
- Extension from 2 years to 5 years

Unique Key Lock   (ISK-UKL)
- Dedicated to single project / customer regionally
- For project size over 500 racks

Accessories

For the following accessories, please refer to the InfraRack X6 catalogue :
http://www.austin-hughes.com.hk/support/catalog/CA-IR-X6.pdf

- Rack PDU
- Rack Fan
- Cabling
- Air Blanking
- Shelf

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

As a leading global IT manufacturer, Austin Hughes provides TAA-compliant data center solutions, manufactures and assembles products in strategic TAA-certified locations.

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Distributor by country on application

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