

## iSTAR Pro 2U Rack Mount Rack-mountable access controller



### Features That Make a Difference:

- Saves wall space and lowers installation costs
- Leverages standard IT server racks
- Controls up to 16 readers using space-saving 2U enclosure
- Patented design allows fast field wiring using quick connects
- Front panel LCD and LEDs enable quick diagnostics and troubleshooting
- Industrial handles and slide rails ensure easy installation
- Hinged cover provides easy access to diagnostic port
- Dual network LAN ports for redundant network connection
- Compatible with C•CURE 800/8000 and C•CURE 9000
- Supports multiple cards per cardholder and multiple card formats, including FIPS 201 extended formats, for a highly secure, flexible solution

The space-saving Software House iSTAR Pro 2U Rack Mount controls up to 16 readers and supports most types of Wiegand and RM output card readers. Coupled with removable wire connectors that enable quick installation, iSTAR Pro Rack Mount reduces the space requirements and costs associated with installing a panel on the wall, making it a desirable solution for IT professionals.

The patent-pending rack design allows administrators to centrally install and monitor the panel in a standard depth 4-post IT rack or a standard 2-post Telco rack, saving valuable wall space. The stable temperature and ideal environmental conditions of the IT server room help to preserve the life of the unit, thereby saving maintenance and replacement costs over the long term.

iSTAR Pro Rack Mount supports Dynamic Host Configuration Protocol (DHCP) to simplify and expedite installation. For easy setup, this device also supports Domain Name Services (DNS), Windows Internet Naming Service (WINS), Fully Qualified Domain Naming (FQDN), and provides a comprehensive approach to network management.

A front panel LCD displays real-time system diagnostics for quick troubleshooting. LED status lights indicate power and high temperature. With external diagnostics and status lights, administrators and IT staff can view and easily handle system duress without having to open the enclosure. These security features significantly reduce the risk of system downtime and, with remote web diagnostics, you can find and fix performance issues remotely from anywhere in your facility.

Each controller has front and rear tamper switches to ensure it is not accessed by unauthorized personnel. With encrypted communications, protection against network intrusion, dual network paths, and optional dial-up secondary communications, iSTAR Pro Rack Mount is a highly secure network device that even the most cautious IT manager will trust.

## Physical

Dimensions (H x W x D) . . . . . 8.9 x 48.3 x 58.4 cm  
 (3.5 x 19.0 x 23.0 in)  
 Rack Space Requirements . . . 2U (standard rack units)  
 Environmental . . . . . 0° to 50°C (32° to 122°F)  
 5 to 95% relative humidity,  
 non-condensing  
 Weight . . . . . 15 kg (33 lbs)  
 High Temperature Alarm . . . . 60° +/- 6°C (140° +/- 10°F)

## Electrical

Power Requirements . . . . . 90/264 VAC, 50/60 Hz  
 Input Protection . . . . . 4A/250V fuse  
 Power (Max) . . . . . 75W  
 Heat Dissipation (Typical) . . . . 320 BTU/h  
 Memory and RTC Backup. . . . . Onboard, rechargeable NiMH batteries  
 provide minimum 12 hrs retention of  
 RAM and RTC  
 Network Communications . . . . . 10/Base-T Ethernet onboard  
 Second LAN Port . . . . . Using optional 10/100 PCMCIA  
 network card

## Indicators and Switches

LED for power, high temp  
 LCD for diagnostics

## System Memory

64 MB RAM standard; expandable to 128 MB

## Regulatory

Tested and certified by ETL per ANSI/UL standard 294-2004  
 CSA 22.2 by cETL  
 CE  
 FCC Part 15 Class B  
 RoHS  
 Power supply certified to CSA C22.2 No. 60950-1-03

	Controller Capacity 64 MB	Controller Capacity 128 MB
Number of personnel records with one clearance, one card/ person, ten-digit cards	525,000	1,200,000
Number of personnel records with ten clearances, one card/ person, ten-digit cards	295,000	680,000
Number of personnel records with one clearance, five cards/ person, ten-digit cards	170,000	375,000
Number of personnel records with ten clearances, five cards/ person, 40-digit cards	110,000	250,000

## Reader, Inputs and Outputs

Reader Ports . . . . . 16  
 Reader Support. . . . . RM readers or RM reader modules, or  
 Wiegand output readers

### Reader Technologies Supported

- Multi-Technology
- Proximity
- Smart Card
- Wiegand
- Magnetic Stripe

Maximum Distance to Door . . . RM: 1,219 m (4,000 ft)  
 Wiegand: 150 m (500 ft)

RM Bus Communications . . . . . RS-485 half duplex, two wire, plus  
 optional two wires for device power

Supervised Inputs . . . . . 32, double-resistor

Input Expansion. . . . . Up to 128 additional inputs using I8  
 input modules on RM bus

Outputs . . . . . 16 dry contact relay outputs

Output Rating . . . . . 30 V AC/DC, 2.5A inductive, 5.0A  
 non-inductive

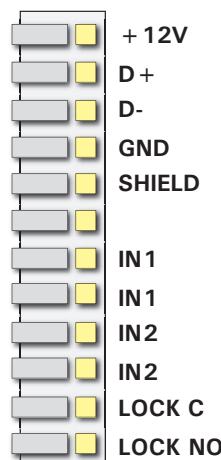
Output Expansion . . . . . Up to 128 additional Form C Relay  
 outputs using R8 output modules on  
 RM bus

Tamper Switches. . . . . Two, front and rear cover

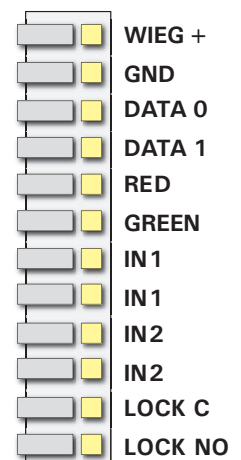
## Model Numbers

STAR008-2URM . . . . . iSTAR Pro 2U Rack Mount, supports  
 eight RM readers (16 inputs and eight  
 outputs included)  
 STAR016-2URM . . . . . iSTAR Pro 2U Rack Mount, supports  
 16 RM readers (32 inputs and 16  
 outputs included)  
 STAR008-2UW . . . . . iSTAR Pro 2U Rack Mount, supports  
 eight Wiegand readers (16 inputs and  
 eight outputs included)  
 STAR016-2UW . . . . . iSTAR Pro 2U Rack Mount, supports  
 16 Wiegand readers (32 inputs and 16  
 outputs included)

Typical Rear Wiring per Door,  
RM Models



Typical Rear Wiring per Door,  
Wiegand Models



## Related Products



iSTAR Pro Door  
Controller



iSTAR Pro 4U Rack  
Mount Controller



C•CURE 9000

## Approvals



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