

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.

SOFTWARE HOUSE

A Tyco International Company

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-Technologu
- 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 18
input modules on RM bus

Outputs 16 dry contact relay outputs

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

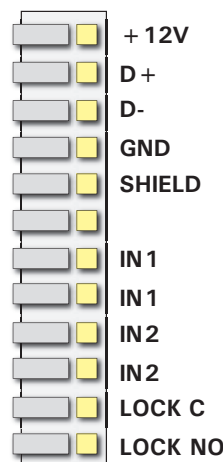
Output Expansion Up to 128 additional Form C Relay
outputs using R8 output modules on
RM bus

Tamper Switches Two, front and rear cover

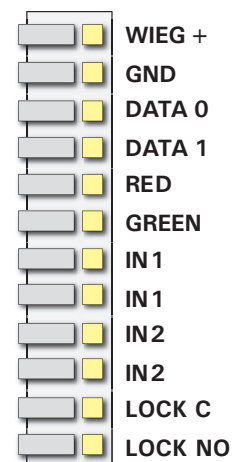
Model Numbers

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



The trademarks, logos, and service marks displayed on this document are registered in the United States [or other countries]. Any misuse of the trademarks is strictly prohibited and Tyco International Ltd. will aggressively enforce its intellectual property rights to the fullest extent of the law, including pursuit of criminal prosecution wherever necessary. All trademarks not owned by Tyco International Ltd. are the property of their respective owners, and are used with permission or allowed under applicable laws.

Product offerings and specifications are subject to change without notice. Actual products may vary from photos. Not all products include all features. Availability varies by region; contact your sales representative.
© 2011 Tyco International Ltd. and its respective companies. All rights reserved. SH0145-DS-201108-R02-A4-EN