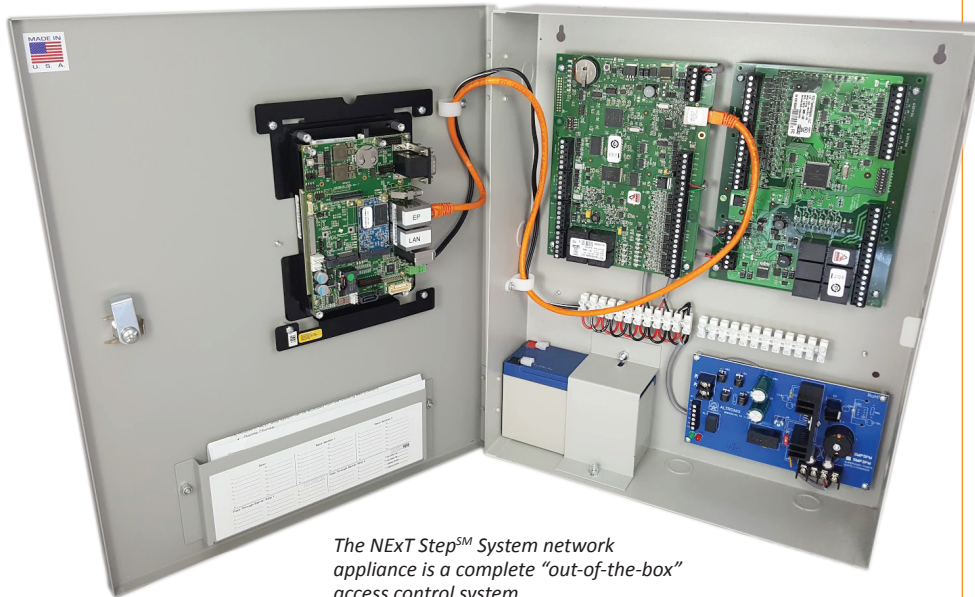# RS2 Technologies

a family of access management hardware solutions

Access It!® NExT Step℠ System

The NExT Step℠ System network appliance is a complete "out-of-the-box" access control system.

Access It!® NExT Step

RS2 Technologies has developed a network appliance that can be configured to meet a wide variety of applications. The NExT Step℠ System is built around a high-performance computer capable of operating at extended temperatures. This computer, which includes an Intel® dual-core 1.75 GHz processor, is paired with Authentic Mercury™ hardware and our Access It!® access management software. The NExT Step℠ System features 8 GB of DDR3L SDRAM, dual Ethernet ports (with LAN and EP controller connectivity), and utilizes Windows 10 IoT (64 Bit).

NExT Step℠ System

The NExT Step℠ System is a network appliance, all in one, "out of the box" access control solution. It is available in two- and four-reader configurations, expandable up to 64 readers. It includes a robust computer system running the Windows 10 IoT operating system, making it cost effective for small to medium applications. Installation and setup is made easy through preconfigured onboard software and automatic hardware discovery. The Windows 10 IoT operating system ensures high availability, excellent performance, and no maintenance.

The NExT Step℠ System controller stores its own database as well as all schedule information, including unlock/relock times, access times and holiday information. This eliminates system downtime if the network appliance becomes unavailable or fails.

NExT Step℠ uses a high-performance, industrial-grade small form factor computer with an Intel® E3827 Atom™ dual-core 1.75 GHz processor, which includes an integrated COM Express Type 6 module.

Application Note

The NExT Step℠ System is the cornerstone of RS2's newest generation of network appliance based access control solutions. Designed for small to medium sized installations it provides an initial two-reader capability, with the capacity to expand up to 64 doors.

The NExT Step℠ System includes these features:

- 100% solid state design for high reliability
- All in one solution that requires no additional hardware
- Hardened network appliance for a high level of security
- All software is pre-loaded and pre-configured
- Browser based clients requiring no client software
- Easy to use management software
- Support for up to 64 readers/input/output I/O panels
- Card capacity up to 5,000 cards
- Support for up to 8 different card formats/facility codes
- Easy installation and setup gets you up and running in minutes
- Flash firmware capability for easy field upgrades

CE RoHS COMPLIANT UL

RS2 Technologies
www.rs2tech.com

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Technical Specifications

Network Appliance:

Windows 10 IoT 64 Bit

 Intel® E3827 Atom™ dual-core 1.75 GHz processor

8 GB of DDR3L SDRAM

Fanless design

Auto power on support

Watchdog timer

10/100 Mbps LAN

4 USB ports (One 3.0 and three 2.0)

2 RS-232/422/485 ports

Ultra-low power consumption

System Controller (EP-1502)

Power:
10-50 VDC +/- 10%, 12 W maximum

Unregulated pass through (150 mA max.)

Serial Ports:
Primary 10/100 Ethernet

Port 1: RS-232/422/485

Port 2: RS-232/422/485

Inputs:
8 general purpose: 4 programmable,
4 reserved for door contact and REX

2 dedicated: tamper and power monitor

Outputs:
4 relays: Form C, 5 A, 30 VDC: 2 programmable,
2 reserved for door control

Reader Ports:
2 reader ports

Dimensions:
6.0" x 8.0" x 1.0"
(152 mm x 203 mm x 25 mm)

Temperature:
-0° to +49°C operational, -55° to +85°C storage

Humidity:
0%-85% RHNC

Standards:
UL 294, CE, RoHS
FCC Part 15 Class A
NIST Certified Encryption

Management Software

Browser based clients

5 clients

Built-in backup utility

Online or local software updates

Bulk card adding

Import/Export (optional)

Alarm and event monitoring

Tasks for I/O and door activities

Video badging and image capture (optional)

Bar code font (optional)

Built-in reporting capabilities

5,000 Cardholder capacity

Auto hardware discovery

64 readers

512 inputs/outputs

64 access levels

8 active card formats

6 access levels per cardholder

32 time zones /intervals

32 holidays

About RS2 Technologies, LLC

RS2 Technologies is a technology-driven developer and manufacturer of cutting edge access control hardware and Access It!®, the industry's most powerful, user-friendly access control software. As one of only four worldwide Platinum Elite Partners of Mercury Security, we utilize Authentic Mercury™ hardware to provide users around the world with the most powerful open platform access control solution available today. RS2 is a Windows Embedded Partner and a Microsoft Certified Partner with ISV (Independent Software Vendor) software solutions competency status.

To find out how RS2 can give you an access control solution that helps you run your business, call 877.682.3532 or visit www.rs2tech.com.

Windows Embedded *Partner*

Windows IoT

R2S Technologies
www.rs2tech.com