



## High Density 32-Door PoE Network Fault Tolerant Controller

# UNC-500-FT-8R-RM

An Energy-Efficient IT-Centric Enterprise Access Control Panel

[www.rbh-access.com](http://www.rbh-access.com)

# UNC-500-FT-8R-RM



The UNC-500-FT-8R-RM is an IT centric enterprise class, 32 door non server dependent access control panel that is fully compatible with RBH's award winning Axiom Enterprise edition integrated access control security solution. Taking up a mere 1U of rack space on a standard 19" rack, this high density ACP is fully network fault tolerant and incorporates energy efficient components resulting in a +20% reduction of overall energy consumption.

With unparalleled expandability the UNC-500-FT-8R-RM can be configured to create a self sufficient network of 240 doors and 5,040 fully programmable I/Os. Incorporating the latest generation 32 bit processor and RAM the UNC-500-FT-8R-RM is capable of downloading a typical full enterprise sized database in less than two minutes, an industry first!

## Features

Network fault tolerant

Up to 5,040 Fully Programmable I/Os

Non-server Dependent advanced features

Latest Generation 32 Bit Processor

## Compatible with



## Specifications

Memory Capacity:	100,000 credentials / 100,000 events
Firmware	Flash
Embedded Communication Ports / Circuit Type	4 x TCP / IP, 10 / 100 Ethernet (2 PoE) / 6 x fully programmable RS-485
Wiegand / OSDP Readers	8 expandable to 16, each with up to 5 concurrent card formats. Control Reader Piezo and Red & Green LEDs
Wiegand Reader Cable Requirement	Shielded, stranded 6 or 8 conductor, 20 - 22 AWG; Max 500 ft (150 m) @ 20 AWG
OSDP Reader Cable Requirement	Shielded, stranded twisted pair conductor, 20 - 22 AWG; Max 2,250 ft (750 m) @ 20 AWG
Wireless Lockset	Programmable to accommodate up to 28 fully supervised wireless locksets**
Programmable Inputs	24 (expandable to 40)
Input Circuit Types	N.O. or N.C. with/without single / dual EOL supervision
Programmable Outputs	12 relays & 12 voltage outputs (expandable to 20 relays & 20 voltage outputs)
Relay Type	Form C relays, SPDT, 5A @ 30 V AC/DC, dry contacts; fail Safe / Secure Programmable
Voltage Outputs	Open collector electronic drivers, 12 VDC @ 100 mA MAX
Additional I/O	Fully programmable & expandable to 5,040
Integrated Alarm Panels	Add up to 508 four zone LCD Safe Suite Keypads
Tamper Inputs	2 dedicated cabinet tamper inputs
Power	Current Draw: 2A @ 12 VDC max
PoE	Dual Redundant High Power PoE Decoders (25W each)
Circuit Protection	Resettable Thermal Fuses- Power In, Power Out, Reader Power
Dimensions	19" Rack Mount: 1.75" H x 19" W x 15" D
Operating Environment	Temperature: 0° to 70° C (35 - 150° F); Humidity: 20 to 80% RH (non-condensing)
Backup Power	Accommodates two 12VDC 2AH backup batteries. Dual embedded backup battery chargers (backup batteries can be charged via the PoE PLUS decoders and/or the external 12VDC controller power supply).

\* Specifications are subject to change without notice.

\*\* Please contact your local RBH representative for wireless lockset compatibility and configurations.

**How to order**  
RBH-UNC-500-FT-8R-RM



RBH Access Technologies, Inc.  
2 Automatic Road, Suite 108  
Brampton ON L6S 6K8, Canada

1-905-790-1515  
1-905-790-3680

[info@rbh-access.com](mailto:info@rbh-access.com)

