



RBH
ACCESS



UNC-500

UNIVERSAL NETWORK
CONTROLLER

Axiom V™

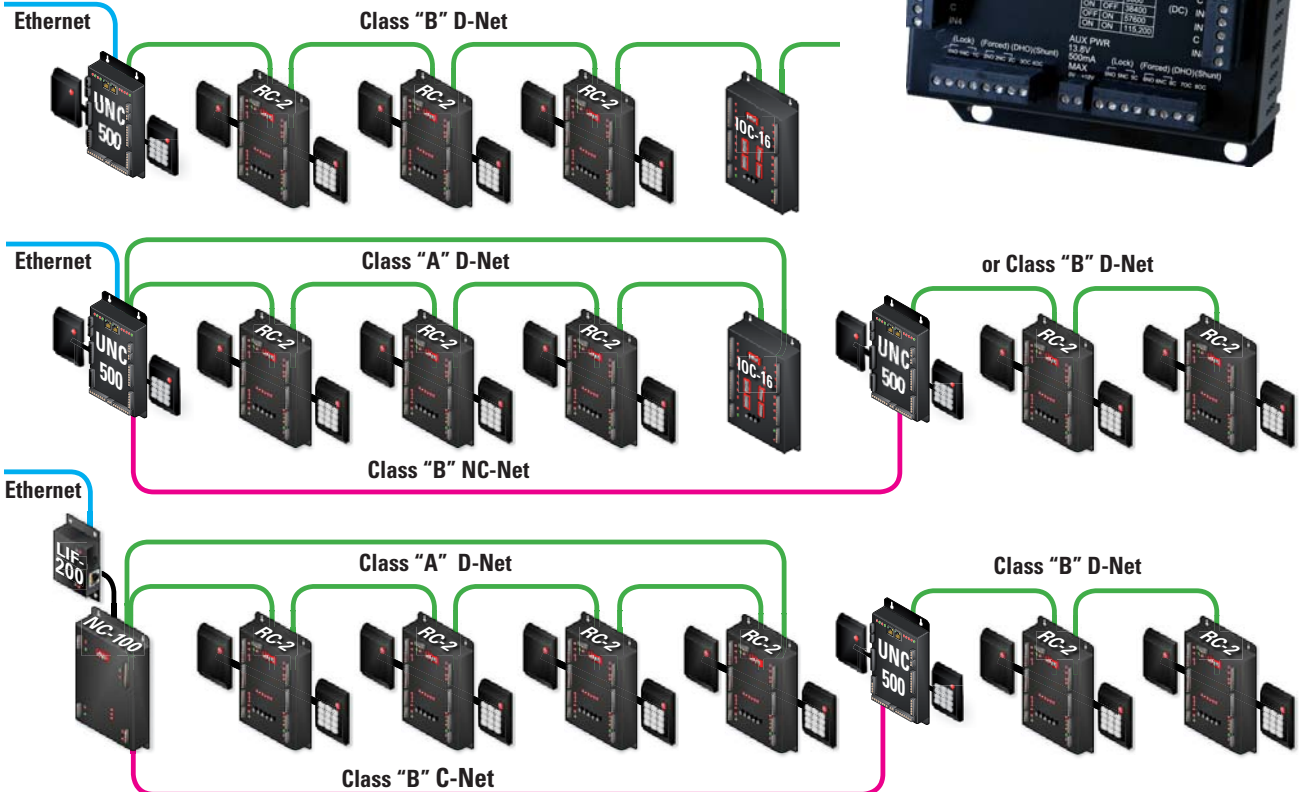
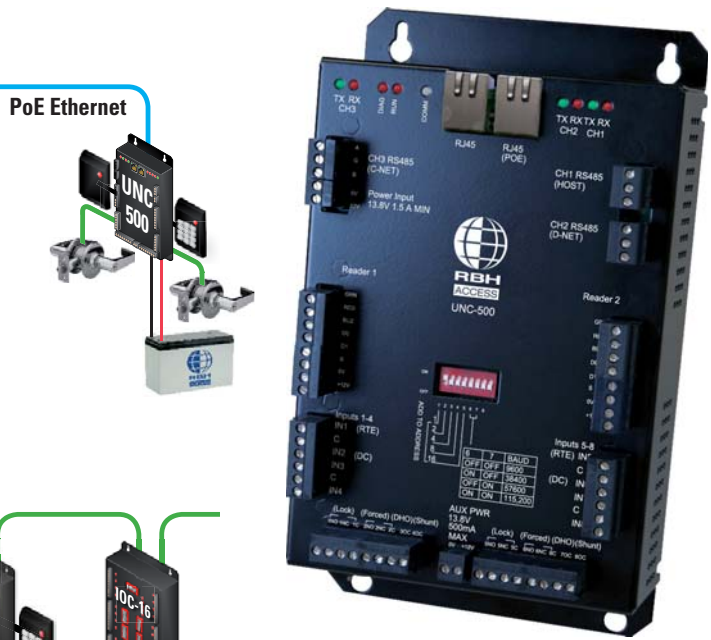
Building Security Worldwide



New generation of our powerful and reliable AxiomV hardware line extends functionality while reducing the size of the package. Utilizing latest developments in electronic component technology it packs more functionality and features into a smaller size without sacrificing serviceability.

Next generation 32-bit processor with hardware encryption and expanded memory, drastically increases the system capacity in doors, cards and history event log while opening exciting opportunities of new functionality.

Certain UNC-500 controller models come equipped with PoE capability. Augmented with onboard battery backup with the ability to bolster power output when necessary.



19" rack mount for IT style configurations or wall mount for more traditional installations, UNC-500 delivers a lot of features in an attractive package. Wall mount unit fits into existing enclosures and if ordered with metal protective shell can be mounted directly on back boards or inside of 3rd party cabinets. Compact rack mount foot print efficiently utilizes rack space to provide 2 or 4-door packages in a slim and functional design.

1U rack mount enclosures come with a variety of available trim options: easy wiring with modular connectors on the back or 1/2-3/4" knockouts for secure cable management. Fixed mount or pull out rails make this a versatile solution for a number of requirements.



Compare controller models :

UNC-500-200 Series: 2-Door Edge controller, 1 per panel network, expandable to 8 doors + I/O *

Model #	Housing	Ethernet	RS-485	Memory	Cards	History	Power Supply	Apps	NC-Net	D-Net	C-Net
RBH-UNC-500-221			1	2 MB	50,000	30,000	Included add transformer*	No	No	Class "B"	No
RBH-UNC-500-222			1	2 MB	50,000	30,000	None add 12VDC@1.5A	No	No	Class "B"	No
RBH-UNC-500-231			1	2 MB	50,000	30,000	Included add transformer*	No	No	Class "B"	No
RBH-UNC-500-232			1	2 MB	50,000	30,000	None add 12VDC@1.5A	No	No	Class "B"	No

UNC-500-400 Series : 2-Door controller, 15 per panel network, each expandable to 8 doors + I/O *,^

RBH-UNC-500-422			3	4 MB	100,000	50,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	No
RBH-UNC-500-425			3	4 MB	100,000	50,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	No
RBH-UNC-500-432			3	4 MB	100,000	50,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	No
RBH-UNC-500-435			3	4 MB	100,000	50,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	No

UNC-500-800 Series : 2-Door controller, 15 per panel network, each expandable to 8 doors + I/O *, **, ^

RBH-UNC-500-822			3	8 MB	300,000	100,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	Class "B"
RBH-UNC-500-825			3	8 MB	300,000	100,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	Class "B"
RBH-UNC-500-832			3	8 MB	300,000	100,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	Class "B"
RBH-UNC-500-835			3	8 MB	300,000	100,000	None add 12VDC@1.5A	Yes	Class "B"	Class "A", "B"	Class "B"

* If one of the circuits (D-Net, NC-Net, C-Net) is configured as Class "A", remaining circuit (D-Net, NC-Net, C-Net) must be Class "B".
^Apps may include hard wire to Host, Bidirectional ASCII, etc.

**Replacing NC-100 with UNC-500-8xx requires removal of one RC-2 (its functions will be performed by UNC).
^^Replacement circuit boards are listed in the parts/price lists.



RBH-UNC-RACK-01
Rack mount enclosure fits up to 2 of UNC-500-XXX controllers, sold separately



RBH-UNC-500-xx2
UNC-500 Controller in a Metal shell



RBH-UNC-500-2x1
UNC-500 Controller in an Enclosure (ENCL1-PS)

Decode model numbers : RBH-UNC-500-XYZ

X - Memory :

- 2 - 2 MB 50,000 Cards / 30,000 Events
- 4 - 4 MB 100,000 Cards / 50,000 Events
- 8 - 8 MB 300,000 Cards / 100,000 Events

Y - Power Type :

- 2 - Conventional: 12VDC @ 1.5A
- 3 - Power over Ethernet (PoE) :
IEEE 802.3af compliant : 25.5W; Other : 30W

Z - Enclosure/Mount Type :

- 0 - Circuit board only (for Enclosure)^^
- 1 - 14" x 12" Enclosure with power supply
- 2 - Metal shell surface mount (no p.s.)
- 3 - Circuit board only (for Metal Shell)^^
- 5 - Circuit board ONLY (for 19" Rack Mount)

Readers



Architecture employed in the UNC-500 allows use of any reader type or technology Prox, Smart Card, Biometric via Wiegand interface

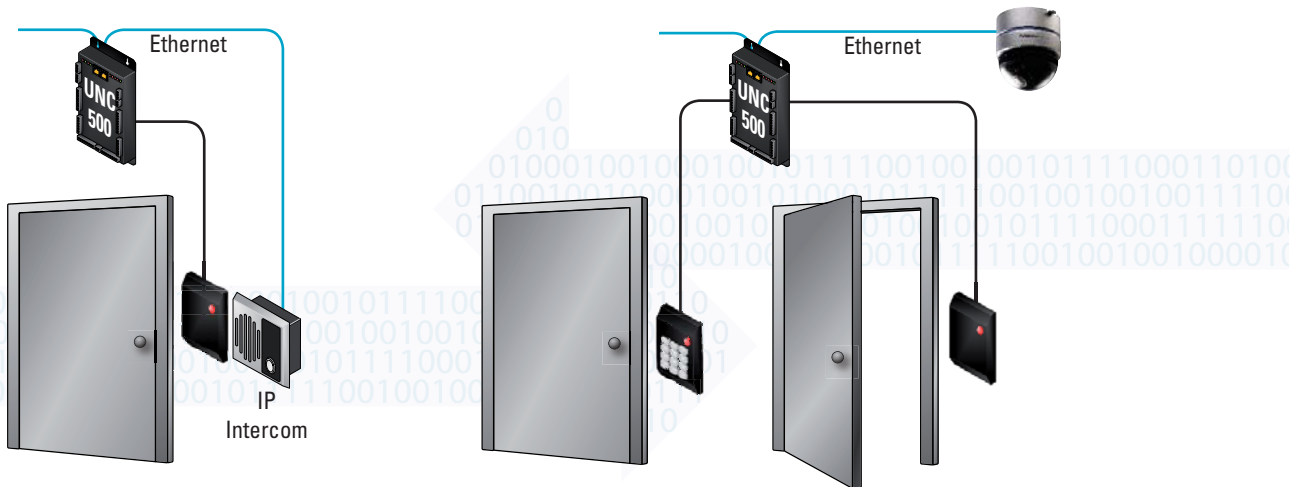
Quality

Large plug-in connectors and information printed right on the enclosure are designed to improve speed and quality of installation. Configure settings via built-in web page.

Controller specifications :

Processor / Memory		32-bit Processor / 2MB. 4MB up to 8 MB
Memory Capacity:	Cards	50,000 - 300,000 (Depending on the model)
	Event Log	30,000 - 100,000 (Depending on the model)
	Firmware	Flash
Host Communications		Built in TCP/IP, RS-485
Field Communications		Fully programmable, multiple hardware configurations
	Ports / Circuit Type	1 or 3 (Depending on the model) RS-485 programmable
	Cable Requirement	Shielded, twisted pair, 20 - 22 AWG; 4,000 ft (1,200 m) total
Doors / I/O / Other		8 (2-onboard) / 320 (16 onboard) / 254 SafeSuite Keypads
On board Reader Ports		2 with up to 5 concurrent card formats each
	Audio/Visual Controls	Red and Green reader LED, audible controls
	Cable Requirement	Shielded, stranded 6 or 8 conductor, 20 - 22 AWG; Max 500 ft (150 m) @ 20 AWG)
Programmable Inputs		8 + Cabinet Temper Input
	Circuit Types	N.O. or N.C with no supervision, single or dual EOL supervision.
Programmable Outputs		8 (4 relays + 4 voltage outputs)
	Relays	Form C relays, SPDT, 5 A @30 VDC, dry contacts; Fail Safe/Secure programmable
	Voltage outputs	Open collector electronic drivers, (12 VDC @ 100 mA MAX)
Power :	Current Draw	1.5 A @ 12 VDC max
	Circuit protection	Thermal - Power In, Power Out, Reader Power
Dimensions	Circuit board only	8" H x 5.3" W x 1.5" D
	Lockable Enclosure	14" H x 12" W x 3" D
	Metal shell	9.75" H x 5.5" W x 1.5" D
	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)
Certifications		Listed components

Built in ethernet hub in 4xx and 8xx series controllers :



Head Office

RBH Access Technologies, Inc.
 2 Automatic Drive, Suite 108
 Brampton, ON Canada
 L6S 6K8
 Tel. +1-905-790-1515
 Fax. +1-905-790-3680
 info@rbh-access.com
 www.rbh-access.com

Europe

ARAS & RBH Security Group Ltd.
 F3 Enterprise Way, Vale Business Park
 Evesham, Worcestershire UK
 WR11 1GS
 Tel. +44(0)-1386-425810
 Fax. +44(0)-1386-425811
 info@aras-rbh.com
 www.aras-rbh.com

USA

RBH USA, Inc.
 60 Whitney Rd., Suite 14
 Mahwah, NJ 07430
 Tel. 201-663-9070
 Toll free : 877-251-3550
 Fax. 201-891-3420
 usa.info@rbh-access.com
 www.rbh-access.com