

Axiom




The new generation of our powerful and reliable Axiom hardware line extends functionality while reducing the size of the package. Utilising 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 IEEE 802.3at compliant 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.

CH-UNC-500-222S Universal Network Edge Controller

Processor / Memory:	32-bit Processor / 2MB, 4MB or 8 MB
Memory Capacity:	Cards 50,000 - 300,000 (Depending on the model)
	Event Log 30,000 - 100,000 (Depending on the model)
Host Communications:	Built in TCP/IP, RS-485
Field Communications:	Fully programmable, multiple hardware configurations
	Ports / Circuit Type 1 or 3 (Dependent on model) RS-485 programmable (Supports OSDP, Wireless Locks, Etc.)
	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 Tamper 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
Power:	Current Draw 1.5 A @ 13.8VDC (backup battery charger requires 13.8 - 15VDC)
	Circuit protection Thermal - Power In, Power Out, Reader Power
	PoE (optional) IEEE 802.3at compliant : 25.5W; Other : 30W
	Auxiliary Voltage Outputs 12-14 VDC @ 500 mA
Dimension:	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 (32 - 158°F); Humidity: 20 to 85% RH (non-condensing)
Certifications:	 Listings/certifications are product specific Specifications subject to change without notice.

Variants

CH-UNC-500-222M - UNC500-222 Module only



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