

# NC-100 Network Controller

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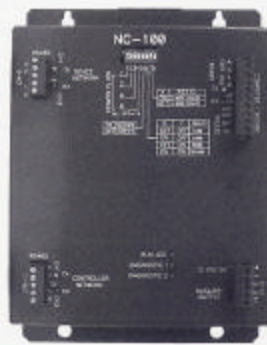


The NC-100 Network Controller is at the core of the family of access control products from RBH. The extremely fast 32-bit system architecture represents a significant leap forward in an industry where 8-bit technology is standard. Axiom III™ is the first in a generation of products designed for the seamless integration of access control, video and alarm technology.

Its unparalleled communications capabilities make local and remote dial-up sites almost transparent to the operator. The NC-100 is built to provide maximum flexibility without compromising safety, security, usability, or affordability.

## FEATURES

- Modular design allows maximum versatility for tailoring secure and dependable access control and security management solutions for any facility regardless of size.
- The NC-100 Controller is designed to operate on-or off-line with full functionality through its embedded distributed processing power.
- Built-in high speed communications capabilities



- All cardholder records, access levels, schedules, and configuration data are stored in the controller.
- Hardware design incorporates plug-and-play compatibility with future software enhancements.
- Expandable memory
- Supports TCP/IP over local and wide area networks.



# NC-100 Network Controller

## specifications



Power Requirements:	9 -14VDC (Available from RC-2 or IOC-16)	
Current consumption:	220mA (256k RAM Version)	
Processor:	32-Bit Motorola microcontroller	
Memory (Standard)	256K Expandable to 16 Mbytes	
System Capacity:		
Max No. of Controllers per Network:	16	
Max No. of Reader Controllers (RC-2) per NC-100:	4 (8 Card Readers)	
Max No. of I/O Controllers per NC-100:	16 (320 Inputs or Outputs)	
Cardholder Database:	7,000 per Controller Expandable to 200,000 5 - 12 Digit card numbers	
Event Log:	5000 per Controller Expandable to 100,000	
Communications:		
Communication between Network Controllers Designation:	C-NET	
C-NET	Network Type:	ARCNET LAN
	Speed:	156K up to 2.5 Mb/s
	Circuit Type:	Ring (Short or Open Circuit Protection)
Cable Requirement:	Type:	Shielded Twisted Pair 20 - 22 AWG
	Distance:	2500FT (800M) Between Controllers
Communication between NC-100 & RC-2 & IOC-16 Designation:	D-NET	
D-NET	Network Type:	RS485 High Speed Network
	Speed:	38400 bits/second
	Ports:	2 x RS485 Ports,
	Circuit type:	Ring (Short or Open Circuit Protection)
Cable Requirement:	Type:	Shielded Twisted Pair 20 - 22 A WG
	Distance:	3000Ft (1000M) Between Devices
Local PC & Remote Communications:	Type:	RS232, TCP/IP Ethernet or RS485 4-wire
	Speed:	Programmable, 1200 to 38400 baud
Real Time Clock		
Built-In Watchdog Circuit		
Dimensions:	H9.75in x W6.875in x D3.25in (25 x18 x 10cm)	
Operating temperature:	0 to 70°C (35 -150°F)	
Operating Humidity:	20 to 80% RH (non-condensing)	

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