

## AD-BC800NT Networkable Access Controller System



AD-BC800NT1/2/4

The AD-BC800NT series of access Controllers provides the solution for powerful combination of access control and alarm monitoring within on-line/off-line networks.

The AD-BC800NT1 is now capable to handle 1 door, (2 readers with a single controller), AD-BC800NT2 2 doors (4 readers with a single controller) and the AD-BC800NT4 can control a maximum of 4 doors (4 readers & 4 exit button with a single controller).

The AD-BC800NT Access Controller fits any type of installations, upto 50,000 users, from single buildings to multiple sites spread over remote locations and linked via TCP/IP.

The user-friendly Access control software programs the system within a few minutes, from a non-dedicated PC. Access Software provides numerous access control and alarm monitoring features: expiry date for clubs, automatic activation, interlock between two doors, time zones, supervision, anti-pass back, activity reports...

Each alarm input is programmable in various operating modes (NO or NC), time zones, local reflex (activation of outputs according to input status). Specific alarms are triggered according to the number of unsuccessful attempts, the time limit for door closing (door alarm), and duress code...

Whenever required, the data stored in the controllers is transferred to the computer and activity reports are printed.

Each controller works independently and keeps its own database.




Adtronics controller hardware platform provides sophisticated access control solutions for unlimited number of doors at a single/multiple sites and thousands of doors spread over a number of remote sites.

The unique architecture and latest multiprocessor, RISC-based design techniques allow Adtronics to offer the system hardware at a lower cost compared to other manufacturers. The system is managed by IC card software which allows the user to configure the following parameters and/or features; Badging, Hardware configuration, Database configuration, Monitoring, Reporting and Administration.

The AD-BC800NT series of access Controllers contains all the input/output functionality necessary to manage a single door (Lock Relay, Door Sense, Request-to-Exit, and two reader inputs as minimum) as well as provide various alarm notifications.

Each controller has a TCP/IP port for connection to LAN which allows communication with other controllers on the network.

The AD-BC800NT multi reader controllers can be configured for either Adtronics Readers or any Wiegand-compatible device.

Parameter	Single Door Control Panel	Multi Door (2) Control Panel	Multi Door (4) Control Panel
Model #			
Communication	TCP/IP , RS-485	TCP/IP , RS-485	TCP/IP , RS-485
Description	Control 1 door, get in and out door by swiping card, or get in by swiping card and get out door by button,Diagnostic LED	Control 2 doors, get in and out door by swiping card, or get in by swiping card and get out door by button, Diagnostic LED	Control 4 doors, get in the door by swiping card, and get out door by button,Diagnostic LED
Size of PCB board	160mm *106mm	160mm *106mm	218mm *106mm
Size of Case	371*259*78mm		
Power Supply	12VDC 4-7A		
Power Consumption of Circuit Board	Less than 100mA		
Input Format of Reader	Wiegand 26 (All card reader with compatible protocol, such as Motorola、HID、EM、Mifare one ,125 KHz, Biometric, Radio, Desfire etc),E-Bus		
Quantity of Readers	2(in and out by reader)	4(in and out by reader)	4(in by reader, out by exit button)
Door Controlled	1 pair	2 pairs	4 pcs
Door opening time extending setting	1-600 seconds(adjustable)		
Max q ' ty of controller	No limit		
Operation Temperature	-40°C ~ 70°C		
Operation Humidity	10-90% RH, No Condensation		
Q ' ty of users	50,000 Users		
Q ' ty of Event Buffers (offline)	100,000 event buffers		
Power interruption protection measure	High Speed Memory, Records never lose		

<b>Max Distance from Reader to Controller</b>	100m (suggestion distance 80m)
<b>Max Distance between Controllers</b>	TCP/IP: Depends on net coverage area
<b>Collocations</b>	PCB board, case, power, power line, serial port communication line, software, manual, certificate, key(2pcs), carton
<b>Alarm for long time door open, ilegal break in, intimidate</b>	Yes
<b>Fire and alarm linkage</b>	If no connection with the expansion board, only has software interface alarm, and drive the computer speaker. If connected with expansion board, is able to alarm by hardware, if connected with strengthened expansion board, then is able to Security alarm
<b>Complsive open and close door at long time</b>	Yes
<b>Open door in remote distance</b>	Yes
<b>Inter block</b>	Yes
<b>Anti pass back and tail</b>	Yes
<b>Multi-card open door</b>	Yes
<b>Open long time at specified time</b>	Yes
<b>Electronic map</b>	Yes
<b>Urgency locking</b>	Yes
<b>First card unlocking</b>	Yes
<b>Unlock based on internal and external validation</b>	Yes
<b>Keypad (card + passwor, supper password)</b>	Yes

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### Controller Installation

The installation of each door controller is set up within a few minutes. Each of the AD-BC800NT controller is supplied c/w5Amp switch mode power supply unit and encased in a steel housing with space for up to 17Ah battery.

Multiple visual LEDS indicate inputs, outputs and communication status of each unit.



### System Features

offline operation; real time supervision; image verification; mass storage; flexible user privileges setup; remote unlocking; multi-user supervision; quick setting; revisable and printable report form; reports exported to excel file; card + password unlocking; alarm for door left ajar; alarm for invalid card swiping; first card unlocking; alarm for signaling forced door open; unlocking at definite time; e-mapping; duress alarm; integration with fire detection; full anti-passbackand anti-tail gating; interlocking; multi-card unlocking; emergency double locking; roll call verification; unlocking based on internal and external validation.

### All-in-one-card Management System

Standard shifts & multi-shifts time attendance management system;  
fixed ration dining management system;  
meeting attendance management system;  
online patrol management system and security alarm management system.