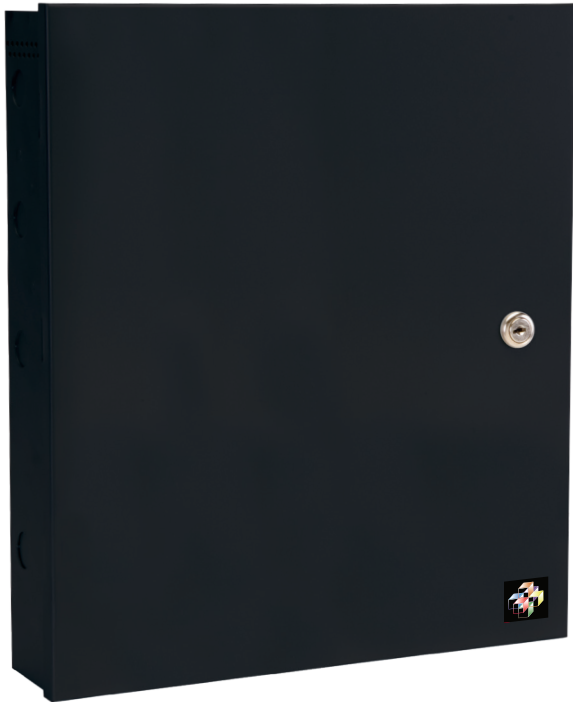




NAPCO BLACK BOX™ PROGRAM FOR OEM APPLICATIONS



NBB1300

EXPANDABLE TWO-DOOR ACCESS CONTROLLER



This two-reader Napco Black Box™ Series Controller supports 2 readers and has 8 inputs, 1 tamper alarm and 5 relay outputs. A locking steel enclosure, power supply and 7AH battery are included. Plug-in network interface, memory expansion, X-Y matrix keypad support and input/output expansion are optional. In addition to power for the controller and two readers, 1.2A at 12VDC is provided for accessories, including power strikes and mag-locks.

NBB1300 is an expandable intelligent controller capable of supporting all access control functions for one or two doors. This distributed processor-based controller will operate as a standalone unit in the event communications with the server are interrupted. It can be an access control, security management and video integration solution. Once programmed, the controller does not require continuous server communications, as it automatically stores systems transactions in its internal memory. The panel's memory is field expandable, allowing for greater cardholder populations and/or a larger transaction buffer. The controller's Flash EPROM firmware is easily upgraded when additional features or system enhancements are required. All Napco Black Box™ Series controllers feature extensive multi-stage lightning/transient protection on-board for maximum reliability, even in harsh environments. It accepts industry standard Wiegand output devices and supports virtually all card/reader technologies. Proximity, Smart, Biometric, Magnetic Stripe, Barcode, Wiegand and Keypad readers are easily connected and controlled. It can typically store multiple (up to 10) card bit formats in its internal memory, making it a cost-effective retrofit panel. Supporting multiple bit formats allows existing card populations and readers to remain in place when used for retrofit applications.

For flexibility, it has a network interface (optional) to allow the panel to be directly connected to a local area network (LAN).

Combine that with a total of 2.5M of memory (requires optional 2M board) and it's a 2-reader network panel capable of storing 125,000 + card-holders, typ.

Up to 63 controller models can be intermixed on the same communications port. Ports with only the **NBB1300** can communicate with the server at 57.6 Kbps. Multiple communication networks (ports) can be connected to the server(s) for maximum system expansion and faster communications. Controller communication choices include: hardwire (repeat or multi-drop mode), LAN/WAN, dial-up or fiber optics for maximum flexibility. RS-232 and RS-422 communication formats are also supported for optimal system configuration.

Specifications

- Support for 20,000 cards, typ. standard (exp. to 125,000)
- 2 Five-wire, Wiegand output readers
- 2 Seven-wire X-Y Matrix type keypads
- 8 Supervised inputs
- 48 Additional inputs (supervised)
- 5 Form C rated standard outputs at 3A@24VDC/VAC
- 48 Additional Form C rated outputs at 3A@24VDC/VAC
- 1000 Standard transaction buffer(exp. to 250,000)
- Capable of processing 256 bit cards from card to controller to software
- Reader Power 800mA@5VDC, 500mA@12VDC
- Battery Backup 4-6 hours included
- Enclosure Size 15.75"H x 13.75"W and 3.5"D
- UL Listings Optional UL294, UL1076, CE
- Shipping Wt. 48 lbs.



NBB1300

EXPANDABLE TWO-DOOR ACCESS CONTROLLER

Expansion boards

In addition to memory expansion capabilities, the **NBB1300** will accept up to three input/output expansion boards. The input and output expansion boards are mounted in a separate enclosure(s) within 24 inches of the panel enclosure. One Alarm/Relay Expander Board provides 16 supervised inputs and 16 relay outputs.

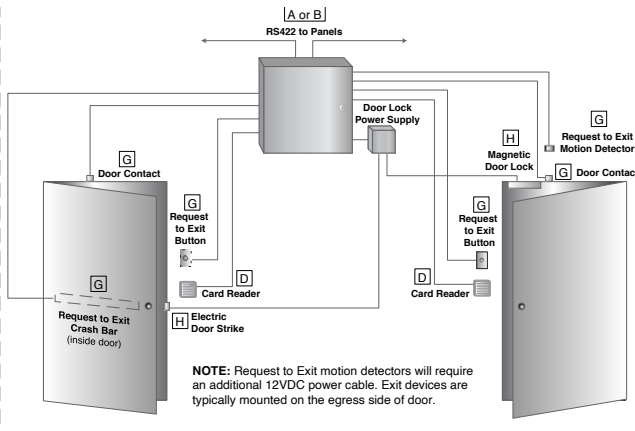
Network interface Option

Network Interface (optional) allows the controllers to be directly connected to a local-area-network. Combine that with a total of 2.5M of memory (requires optional 2M board) and it's a network panel capable of storing 125,000 card-holders, typ.

In addition to the rechargeable standby battery, each **NBB1300** includes an on-board lithium battery for up to one year of data protection.

Ordering Information

Part No.	Description
NBB1300	Two (2) reader processing panel 512K memory standard upgradable to 2.5M total memory capacity with up to a 125,000 card capacity, typ. 8 EOL supervised alarm inputs, tamper, 5 Relay outputs. Support for on-board LAN adapter, 57.6Kbps, Unit shipped complete in a lockable steel enclosure including battery standby for memory and system operation UL294 and CUL Listed.
NBB1300BD	Same as above-Circuit Board Only
NBB1300XYBD	X-Y MATRIX INTERFACE BOARD Optional interface when using 7-wire X-Y matrix keypads with the panel (not required for keypad with wiegand output)
NBB1300MB2	2MB MEMORY EXPANSION BOARD - up to 125,000 card capacity,typ.
NBB1300 NETBD	NETWORK INTERFACE BOARD - Optional plug-in adapter for communicating over TCP/IP(LAN/WAN).
NBB1300ARB*	ALARM-RELAY EXPANDER BOARD - Optional board adds 16 supervised inputs and 16 relay outputs.

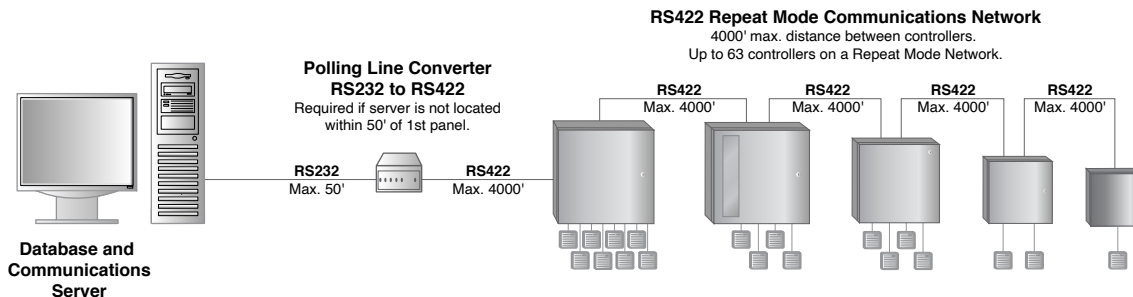


Typical Door Configuration

See Configuration Guide for additional detailed system wiring information.

NBB1300 2-Door intelligent Controller

NBB-Series Controllers can connect to the server via hardwire (shown below), LAN/WAN dial-up modem or fiber optics.



For more information, please contact your local sales representative

