

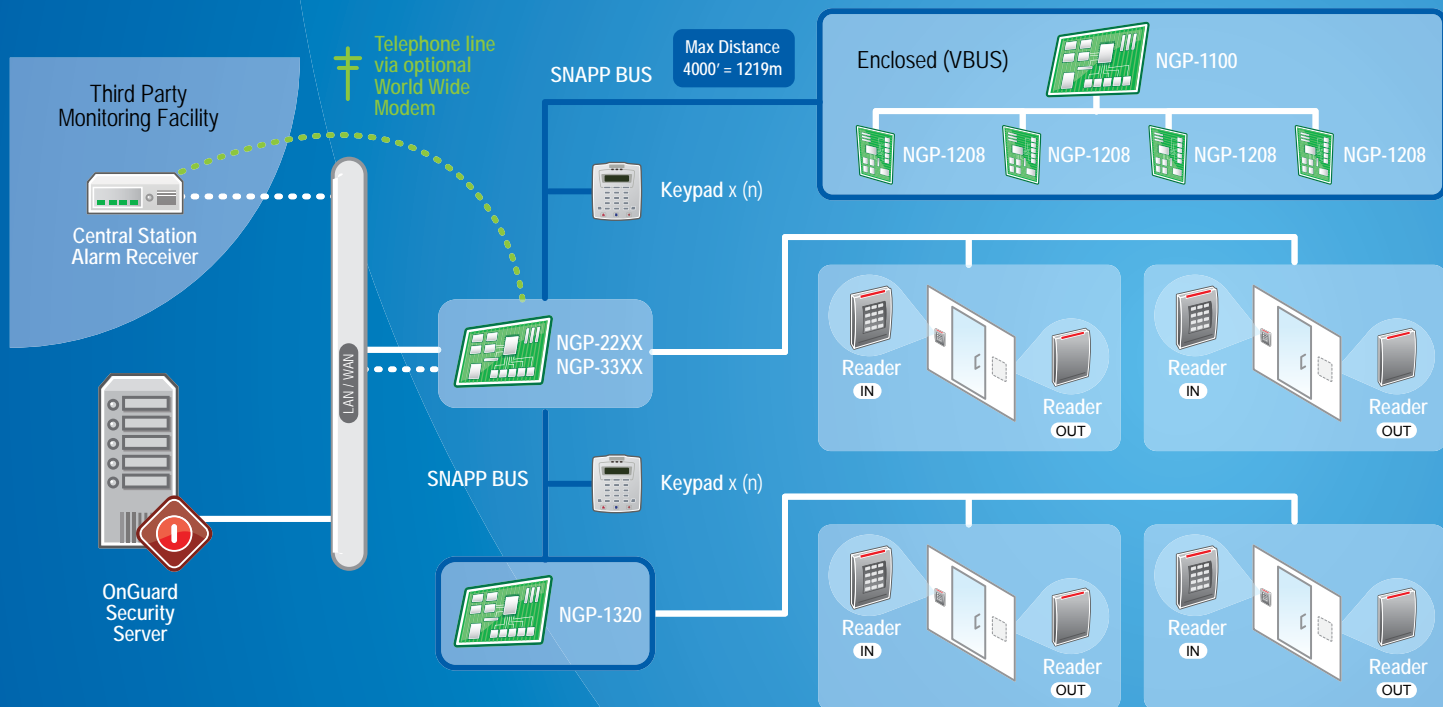


## NGP-1320

The NGP platform offers a Dual Door Interface (DDI) module for access control or access-intrusion hybrid solutions. Most access control card readers, keypads, or readers with keypads that use standard Wiegand Data1/Data0 or Clock/Data communication are supported. Facility Code and Matching Card Format offline (fall-back) access modes configured at the controller are supported on all readers connected to the NGP-1320. Each module supports up to eight different card formats as well as issue codes for both magnetic and Wiegand card formats. The DDI provides a vital link between the Intelligent System Controller (ISC) and the card reader attached to the interface. As many as 64 DDI modules (128 In/Out Reader Pairs) can be multi-dropped from the SNAPP bus connections of the NGP-3300 Series panels (NGP-2200 Series support 32 modules or 64 In/Out Reader Pairs). Each DDI module is serial number addressed for increased security and individual reporting capabilities with OnGuard access control software applications. The DDI includes dedicated and supervised inputs including: Door Contact, Request To Exit (RTE), Reader Tamper, and Magnetic Bond Sensor (Or Extended RTE) for each door. One strike relay (with fail-safe or fail-secure operation) and one normally open relay (for mechanical door opener or door alarm operation) are available for each door.

## Features & Functionality

- 12 VDC power supply
- Supports Data1/Data0 and Clock/Data based readers and keypads (4/8 bit)
- Supports 4 or 8 bit PIN Pads
- Two Form-C 5A @ 30 VDC relay outputs
- Two Form-A 1A @ 12 VDC relay outputs
- Up to 8 different formats (card formats)
- Issue code support for Magnetic and Wiegand formats
- Supervised Door Contact
- RTE push-button exit support
- Strike control output
- Bicolor reader status LED support and 2-wire LED support
- Beeper control
- Dedicated panel tamper circuit
- Support for offline (fall-back) reader access mode
- On-board jumper allows 5 VDC or 12 VDC reader support
- Supervised/Non Supervised Inputs (4-State)



Access Control

## Available Configurations

NGP-1320	NGP-1320 board Only, Dual Door Controller, 2 Doors with In/Out Readers Module - 12 VDC, Supports Weigand or Magnetic Readers, 8 inputs, 2 (5A) form C relays, 2 (ID) Form A Relays, RoHS, CE certified
NGP-1320-UMP	NGP-1320 Dual Door Controller on universal mounting plate for standard CTX or CTX6 Enclosures

## Specifications

<b>Primary Power (DC or AC)</b>	* The NGP-1320 is for use in low voltage, class 2 circuits only. These specifications are subject to change without notice.
Power ratings:	12 VDC, 840 mA max
Outputs	Four outputs: Relay type Door strike: 24 VDC/1A Aux: 24 VDC/0.1A
Inputs	Eight (8) unsupervised/supervised, standard EOL, 1k/1k ohm, 1% 1/4 watt One (1) unsupervised, dedicated for cabinet tamper
Reader interface	2 interfaces (in/out)
Reader power (jumper selectable):	12 VDC + 10% regulated 125 mA maximum each reader or 5 VDC + 10% regulated 600 mA maximum each reader
Communication:	SNAPP bus
Cable requirements	Power: 18 AWG, 2 stranded Reader data: 6 conductors, 18 AWG, 500 feet (150 m) maximum SNAPP bus (RS-485): 24 AWG, 100 ohm impedance, twisted pair with shield, 4000 feet (1219 m) maximum
Mechanical	Dimensions: 5.75 x 4.25 x 1 in. (146 x 108 x 25 mm)
Environmental	Temperature: -10 to 55° C (14 to 122° F) Humidity: 5 to 95% RHNC at 25° C (77° F)
Certifications	CE marking RoHS compliant WEEE