

NGP-1320-U Universal Series IO

Overview

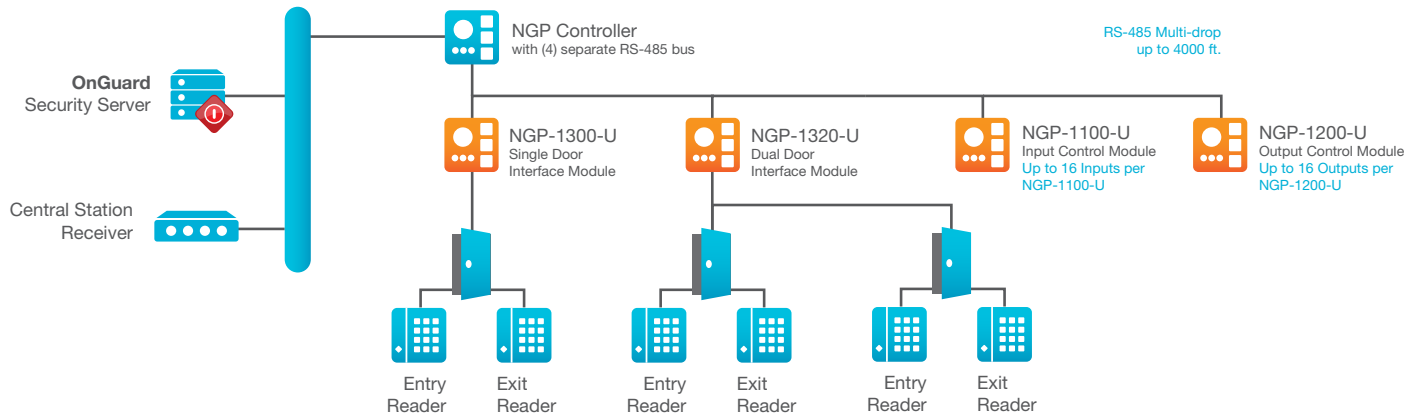
Lenel Systems International offers a Dual Door Interface (DDI) module for access control solutions. Most access control card readers, keypads, or readers with keypads that use standard Wiegand Data1/Data0 or Clock/Data communication are supported. Each DDI can support both in and out readers at each of the two door locations. Lock, unlock, and facility code offline access modes are supported on all readers connected to the DDI. Each DDI 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 NGP Controller and the card reader attached to the interface. As many as 24 DDI modules can be multidropped using RS-485 2-wire communication up to 4,000 feet per port away from the ISC. Each DDI module is individually addressed for increased reporting capabilities with OnGuard access control software applications. The DDI includes eight inputs that support normally open, normally closed, supervised, and non-supervised circuits. In addition, six output relays support fail-safe or fail-secure operation.



FEATURES & FUNCTIONALITY

- 12 or 24 VDC power supply
- Supports Data1/Data0, Clock/Data readers and keypads
- Downloadable firmware
- Six Form-C 5 A at 30 VDC relay outputs
- Up to 8 different card formats
- Issue code support for magnetic and Wiegand formats
- Door contact supervision (open/closed)
- REX push-button monitor
- Strike control output
- Bicolor reader status LED support and 2-wire LED support
- Beeper control
- Dedicated tamper and power failure circuits
- Support for offline reader access mode
- On-board jumpers for RS-485 termination
- On-board regulator allows 12 VDC reader support from 24 VDC power source



Power Supplies & Enclosures

LNL-AL400ULX	Lenel UL-listed 4 A, 110 VAC power supply - 12VDC 4A output, 120 VAC input, continuous supply current with enclosure (12 x 16 x 4.5 in. / 305 x 406 x 114 mm), lock and open frame transformer, tamper switch, UPS-capable (battery optional), UL-listed
LNL-AL600ULX-4CB6	Lenel UL-listed power supply - 12VDC 6A output, 120 VAC (1.6 A) input, continuous supply current with enclosure (18 x 24 x 4.5 in. / 457 x 610 x 114 mm), lock and open frame transformer, tamper switch, UPS-capable (battery optional), UL-listed
ABT-12	Battery Kit - 12VDC, 12 AH battery (PS-12120)
LNL-CONV-1U	Metal adapter plate to mount single full-size Universal Series IO Board (NGP-1100-U, NGP-1200-U, or NGP-1320-U) in any CTX enclosure, maximum two per LNL-CTX enclosure or maximum six per LNL-CTX6. Dimensions 8.1" x 6".
LNL-CONV-2U	Metal adapter plate to mount a two LNL-1300 or NGP-1300-U in any CTX enclosure, maximum two per LNL-CTX enclosure or maximum six per LNL-CTX6. Dimensions 8.1" x 6".

Specifications

Primary Power (DC)	The SDI is for use in low voltage, power-limited, class 2 circuits only.	Mechanical	
DC Input	12 to 24VDC + 10% - 1200 mA @ 12VDC nominal (includes reader current), 460 mA @ 12VDC (without readers) - 600 mA @ 24VDC nominal (includes reader current), 230 mA @ 24VDC (without readers) - 49.1 BTU/hour	Dimension	5 x 8 x 1.25 in. (127 x 203 x 32 mm)
Reader		Weight	7.3 oz. (207 g) nominal
DC Output	400 mA @ 12VDC maximum to 50°C, derate to 300 mA for 70°C	Approvals	UL 294 and 1076-listed, FCC Part 15 Class A, CE-marked, ROHS compliant, C-Tick 22193
Reader Port Compatibility	Wiegand Data1/Data0 Magnetic Clock/Data F/2F single-wire protocol	Cable Requirements	
Environmental		Power	18 AWG, 1 stranded twisted pair
Temperature	Operating: 14 to 158° F (-10 to +70°C) Storage: -40 to 185°F (-40 to +85°C)	RS-485	24 AWG, 120 ohm impedance, stranded twisted pair with shield, 4000 feet (1219 m) maximum
Humidity	0 to 95% RHNC	Inputs	1 stranded twisted pair per input, 30 ohms maximum
Approvals	UL 294 and 1076-listed, FCC Part 15 Class A, CE-marked, RoHS compliant, C-Tick 22193, s319, WEEE	Outputs	As required for the load
		Reader Data (Wiegand, Clock and Data)	6 conductors, 18 AWG stranded, 500 feet (152.4 m) maximum
		Reader Data (RS-485)	24 AWG, 120 ohm impedance, stranded twisted pair with shield, 4000 feet (1219 m) maximum

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Specifications subject to change without notice.

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