

LenelS2 Access Control Application Blade

Overview

LenelS2 Access Control Application Blade is a two-reader interface board with reader, input and output points to support a wide range of devices. Of the four types of LenelS2 Application Blades, the LenelS2 Access Control Application Blade offers the largest variety of connections.

Each LenelS2 Access Control Application Blade supports up to two doors or other access points, interfacing with OSDP, Wiegand, magnetic stripe and keypad technologies. Compatible devices include REX, DSM, door controllers, alarms, card readers and more. Four inputs support normally open, normally closed, supervised and non-supervised circuits. Four output relays can be configured for fail-safe or fail-secure operation.

Up to seven LenelS2 Application Blades in any combination can be supported by a Network Node. LenelS2 Application Blades are easy to install – Network Nodes automatically recognize and address them without jumpers or switches. Power and communications are delivered to every LenelS2 Application Blade via a ribbon cable bus, and the blade supplies 12VDC, up to 250mA, per card reader.



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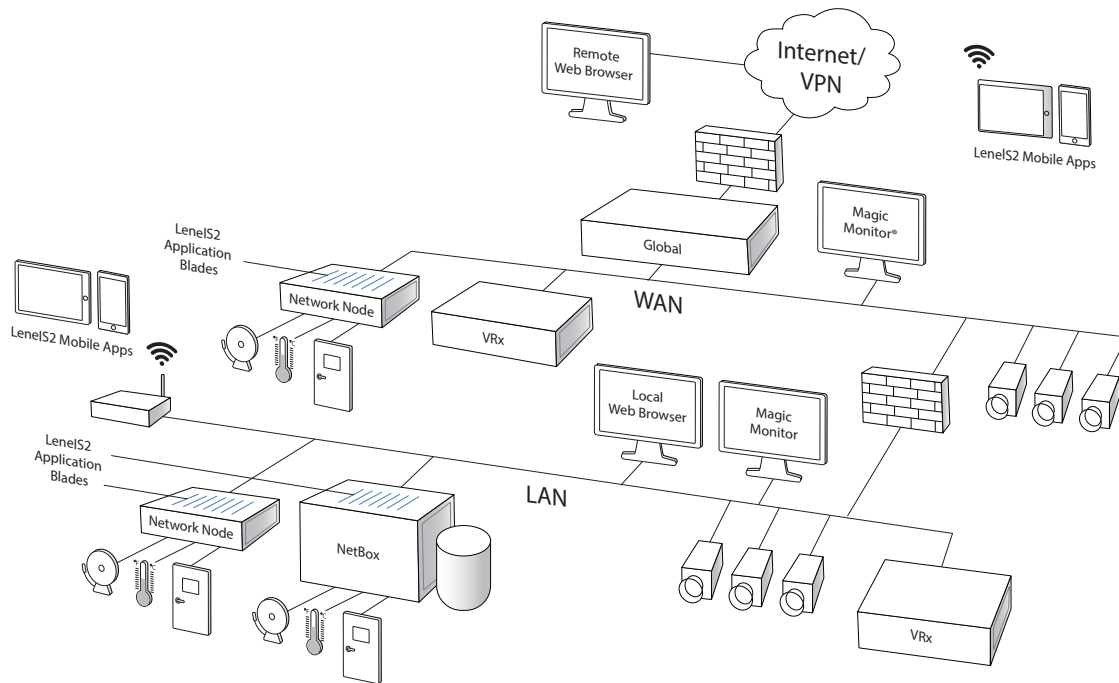
Key Features

Access Control

- **Portals:** Provides connections for up to two doors or other access points
- **Device Support:** Supports REX, DSM, door controllers, alarms, card readers and other devices
- **Reader Support:** Interfaces with OSDP, Wiegand, magnetic stripe and keypad reader technologies
- **Input Configuration:** Includes four inputs configurable to normally open, normally closed, supervised and non-supervised circuits
- **Output Configuration:** Includes four output relays configurable for fail-safe or fail-secure operation

System

- **Automatic Discovery:** Automatically connects to Network Node without jumpers or switches
- **Hardware Compatibility:** Fits available blade slots in NetBox, NetBox VRx Quatro, NetBox VR Quatro, Network Node, Network Node VRx and Network Node VR hardware



Schematic only. Not a network diagram.

Specifications – LenelS2 Access Control Application Blade

Access Control		General (continued)	
Readers	2	Storage Temperature	-4° – 158°F (-20° – 70°C)
Reader Compatibility	OSDP (RS485) Wiegand (Data0/Data1)	Operating Environment	Humidity 85%, non-condensing 35° C
Supervised Inputs	4	Regulatory Approvals	UL, CE, RoHS
Input Supervision	Quad State (Open / Short / Normal / Alarm) Resistors value = 1K	Warranty	2 years hardware
Selection per Input	Dual Resistor / Single Series Resistor / Single Parallel Resistor / Unsupervised	Cabling Requirements	
Input Circuit Types	2-pin supervised, dry contact only	Reader Cable	Refer to reader manufacturer's installation guide/specifications
Outputs	4	Max Reader Cable Distance	Refer to reader manufacturer's installation guide/specifications
Output Description	Dry, Form C, single-pole double-throw (C / NO / NC) contacts for load switching	Supervised Input Cable	Twisted, shielded 22 AWG Belden #9462 (or similar)
Relay Contact Rating	30VDC/AC, 2.5A inductive or 5.0A non-inductive	Max Supervised Input Cable Distance	2000ft (610m)
General		Relayed Output Cable	Refer to output device manufacturer's installation guide/specifications
Power Input	Powered via ribbon cable connection from Network Node Blade	Max Relayed Output Cable Distance	Refer to output device manufacturer's installation guide/specifications
Reader Power	12VDC, 250mA/reader maximum	Part Numbers	
Dimensions (H, W, D)	7.5in x 4.0in x 0.83in (191mm x 102mm x 21mm)	S2-ACM-MP	Access control application blade with support for 2 readers, 4 inputs and 4 outputs
Weight	6.77 oz (192 g)		
Operating Temperature	32°F – 95°F (0°C – 35°C)		

For more information, please visit lenel2.com.

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