

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 Access Control Application Blade offers the largest variety of connections.

Each 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 outputs can be configured for locks or auxiliary devices.

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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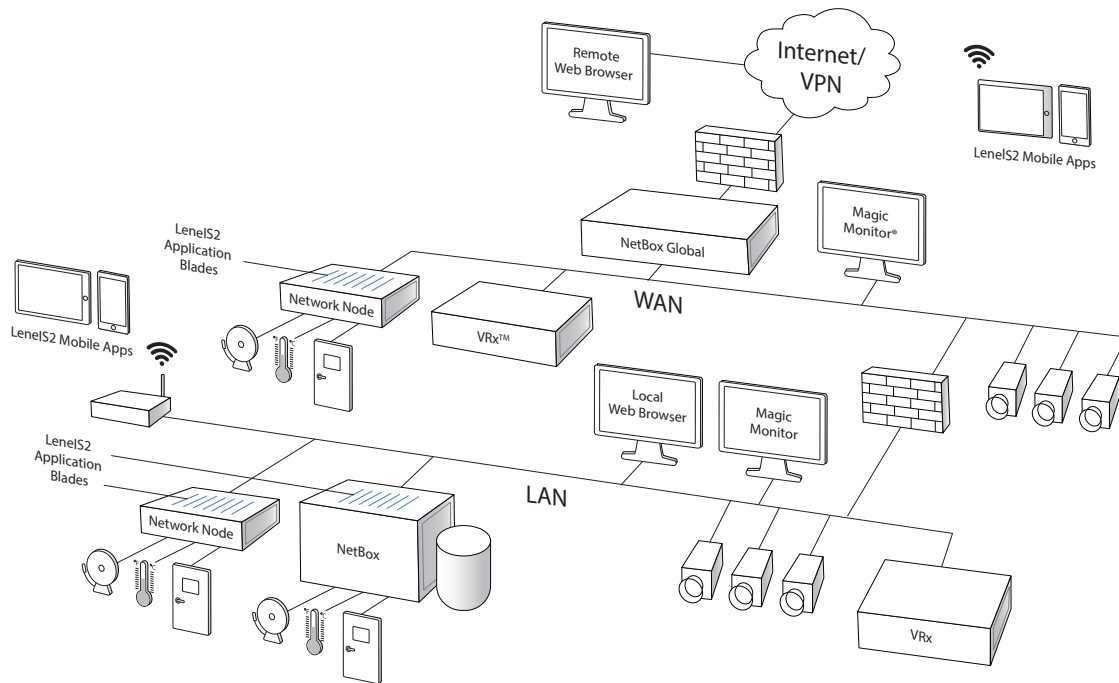
Key Features

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:** Four outputs can be configured for locks or auxiliary devices.

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



For more information, please visit lenel2.com.

Specifications subject to change without notice.

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