

NLSS Access Control Components

Integration with leading access control vendors






- » Unified platform enables correlated events between access control and video surveillance
- » Panels scale from one to 256 doors depending on NLSS Gateway model and access hardware
- » Integration with industry leading IP-enabled access control manufacturers
- » Web based interface with no software to load or client license fees
- » SQL database for reliable operation
- » Support for traditional wiring, Power over Ethernet (PoE) and Wireless (WiFi) options
- » Multiple enclosures and flexible assembly options
- » Support for many card formats, card readers, interfaces and credentials
- » Auto-discovery utility for easy deployment of HID and Mercury Security
- » Complete cardholder database including photo



Access Control is an integral part of the NLSS Unified Security Platform. With an intuitive browser-based interface, the NLSS Gateway works in conjunction with the NLSS Access Control components to allow for easy system administration that seamlessly correlates access events with video.

NLSS Access Control Components leverage hardware from industry leading suppliers including ASSA ABLOY, HID and Mercury Security to produce a reliable, scalable and cost-effective solution.

NLSS Access Control Features

System Features	ASSA ABLOY/ Sargent WiFi Locks	ASSA ABLOY/ Sargent PoE Locks	HID Edge	Mercury AC-EP1501	Mercury AC-EP1502
					
Scheduled Lock/Unlock	x	x	x	x	x
Manual Lock/Unlock		x	x	x	x
Temporary Lock/Unlock		x	x	x	x
Card Trace		x	x	x	x
Fail Safe/Fail Secure	Fail Secure	Fail Secure			
Immediate Card Activation/Deactivation		x	x	x	x
Activation/Deactivation Dates	x	x	x	x	x
Multiple Access Levels and Roles	x	x	x	x	x
Multiple Cards per User	x		x	x	x
ADA Delay	x	x	x	x	x
Normally Open/Closed Contacts			x	x	x
Supervised/Unsupervised Inputs				x	x
Normally Active/Inactive Relays			x	x	x
Events/Alarms					
Valid Access	x	x	x	x	x
Invalid Access	x	x	x	x	x
Door Held Open	x	x	x	x	x
Door Forced Open	x	x	x	x	x
Reader Support					
Wiegand Input			EdgePlus	x	x
Proximity 125 KHz	x	x	x	x	x
Keypad				x	x
iClass	x	x	x	x	x
Specifications					
	ASSA ABLOY/ Sargent WiFi Locks	ASSA ABLOY/ Sargent PoE Locks	HID Edge	AC-EP1501	AC-EP1502
Credentials	2000	2000	44000	240000	240000
Simultaneous Credential Formats	5	5	8	8	8
Credential Length	26 or 37 bits	26 or 37 bits	26 or 37 bits	26 or 37 bits	26 or 37 bits
PIN Length				6	6
Buffered Events	10000	10000	5000	50000	50000
Access Levels per Cardholder	32	32	8	32	32
Credentials per User	1 (prox)	2 (prox + key)	4	4	4

NLSS Access Control Specifications

Physical Specifications	ASSA ABLOY/ Sargent WiFi Locks	ASSA ABLOY/ Sargent PoE Locks	HID Edge	Mercury AC-EP1501	Mercury AC-EP1502
Number of Doors per Controller	1	1	1	16	64
Number of Readers per Controller	1	1	1	16	64
Number of Downstream Boards per Controller				16 MR51e	17 MR52 31 MR51
Power	9VDC 6 AA Batteries	PoE/9VDC	PoE/12VDC	PoE/ 12VDC	12/24
Ethernet		10/100	10/100	10/100	10/100
Wireless	802.11b, g				
Serial Ports					1 RS-232, 1 RS-485 2 wire
Reader Ports	Built-in	Built-in	1	1	2
Input Contacts				2 General Purpose	4 General Purpose*
Output Relays			1 2A@30VDC	2 Form C, 2A@30VDC	2 Form C, 2A@30VDC*
Dimensions	14.25" x 3.75"	14.25" x 3.75"	Single Gang Box	5.5" x 3.3" x 1.3"	6.0" x 8.0" x 1.0"
Mounting	Door	Door	EdgeReader N/A EdgePlus	NLSS Enclosure	NLSS Enclosure
Operational Temperature	-4-150.8F	-4-150.8F	32-122F	32-158F	32-158F
Storage Temperature	-22-176F	-4-150.8F		-67-185F	-67-185F
Humidity	0-85% RHNC	0-85% RHNC	5-95% RHNC	0-95% RHNC	0-95% RHNC
Standards			UL294 Listed Component, CSA 205 for Canada, FCC Class A Verification (FCC & Industry Canada Certification for Reader Portion Only) ICES-003 Canada, EU (CE Marking), Australia (C-Tick Mark), New Zealand	UL294 Recognized CE Compliant, FCC Class A, RoHS, Note: PoE not suitable for UL installation	UL 294 Recognized, CE Compliant, FCC Class A

*Expandable with 16 input + 16 output boards

NLSS Gateway Capacity

Platform	Sargent Locks		HID Edge Readers	Mercury Support Readers
	Wi-Fi	PoE		
GW-500	16	16	16	64
GW-3000	64	64	64	256

NLSS Access Control Components

Product Information

Product Name	Description	Product ID	Comments
ASSA ABLOY/Sargent			
PoE Locks	Integrated Controller, Reader and Lock, PoE	v.S1	Consult Factory for options
WiFi Locks	Integrated Controller, Reader and Lock, PoE	v.S2	Consult Factory for options
HID			
NLSS Edge Controller	Integrated Controller and Reader Interface, PoE	AC-E400-8200	
NLSS Edge Integrated Controller	Integrated Controller and Reader, PoE	AC-ERP40-82125	
Mercury Security			
NLSS Access Controller	Controller, 2 Reader, 2 Door, 8 Input, 4 Output	AC-EP1502	
NLSS Access Controller w/PoE	Controller, PoE, 2 Reader, Door, 4 Input, 2 Output	AC-EP1501	
NLSS Reader Interface	Reader Interface Module, 2 Reader, 2 Door, 8 Input, 6 Output	RI-MR52	
NLSS Reader Interface	Reader Interface Module, 1 Reader, 1 Door, 2 Input, 2 Output	RI-MR50	
NLSS Reader Interface w/PoE	Reader Interface Module, PoE, 2 Reader, 1 Door, 4 Input, 2 Output	RI-MR51e	
NLSS Input/Output Module	Input/Output Module, 16 Input, 2 Output	IOM-16in	Form-C, 5 Amp, 28 VDC
NLSS Output Module	Output Module, 16 Output	OM-16out	Form-C, 5 Amp, 28 VDC
NLSS Mux	Mux, RS-232/485 to RS-485, 8 Channel	MUX-8	
NLSS Isolated Mux	Mux, Isolated, RS-232/485 to RS-485, 4 Channel	MUX-4ISO	
NLSS Access Control Enclosure	Access Control Enclosure, 4 board, 18" x 26" x 4"	ENC-400	Supports max 4 of AC-EP1502, RI-MR50, RI-MR52, IOM-16in, OM-16out, MUX-8, MUX-4
NLSS Access Control Mini Enclosure	Access Control Enclosure, 1 board, 7.5" x 8.5" x 3.5"	ENC-100	Supports max 1 of AC-EP1501, RI-MR51e



**ASSA ABLOY / Sargent
WiFi/PoE Locks**



HID Edge



AC-EP1501/AC-EP1502



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