

# LANLink™ Ethernet-Ready Controller Series



**LANLink M1200  
Eight-Reader Controller**



**AC-1200  
I/O Controller**



Add up to four I/O Controllers  
(one for each TC)

## LANLink™ Controller Series

LANLink is an IP-based access control and event management controller. Building off of Sielox's highly successful 32-bit AC-1200 and AC-1208 serial-based controllers, LANLink delivers unmatched modularity, supporting installations from a single reader to an enterprise-wide system.

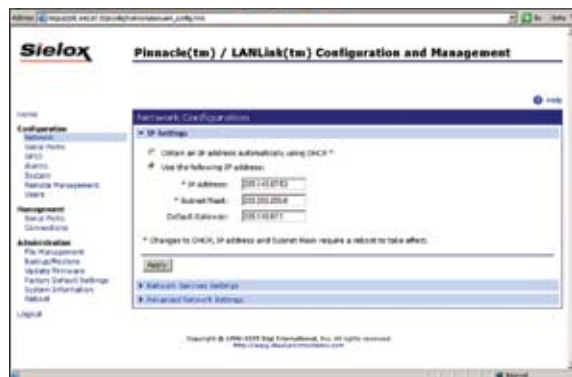
**LANLink M1200** is offered in two starting configurations: the first is an eight-reader controller with up to four optional I/O panels; the second is a two-reader I/O controller, for a mixture of reader and I/O support on a single back-plane. The **LANLink M1208** provides two-reader and four-reader offerings in a more compact format.

### Features:

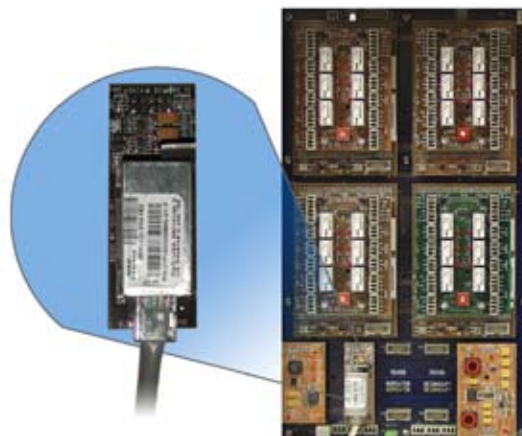
- **10 Base-T, 100 Base-T, or 10/100 Base-T communications** with Sielox's Pinnacle™ Access Control and Event Management System platform
- **IP-addressable** for use in LAN, Intranet, or Internet (WAN) configurations
- **2- to 16-reader configurations** per enclosure, leveraging the modularity of the AC-1200 and AC-1208 backplane formats
- **Flat architecture** integration eliminates the need for the AC-900 Main Controller
- **DHCP** support eases installation: leased IP addresses are assigned automatically
- **Secure communications** via 3DES 168-bit encryption
- **Local (server-independent) anti-passback** per Terminal Controller and **server based global and soft anti-passback** for up to 20 location-independent Terminal Controllers (40 readers each) per defined zone, each independent of location<sup>1</sup>
- **Mixed LAN- and serial-supported installations** allow additions to the existing Pinnacle system
- **Web-based diagnostics** for IP controller analysis from any networked computer

<sup>1</sup> Not supported when using the AC-900 main controller for regional anti-passback

## Easy setup using Pinnacle and web-based LANLink controller utilities



## LANLink's Ethernet module enables direct TCP communications



# LANLink™

## Ethernet-Ready Controller Series

### Product Specifications

#### General

<b>Backplane Dimensions</b>	M1200: 14.95" x 8.60" (37.9 cm x 21.8 cm) M1208: 10.50" x 8.65" (26.7 cm x 21.9 cm)
<b>Power Requirements</b>	11.5VDC min/18VDC max, 5 amps (each backplane) 3.1 amps sustained max without readers <sup>1</sup>
<b>Operating Conditions</b>	0° to +50° C; 90% relative humidity, operating (non-condensing)
<b>Battery Backup</b>	Retains RAM memory and real-time clock operation for up to eight hours

#### Terminal Controller (TC) Modules and I/O Expansion Modules

<b>2-Reader TC Modules</b>	Support two readers with four inputs and four outputs
<b>Capacity</b>	32-bit CPU with storage for 10K buffered events; for 26-bit cards, up to 50K cards with one access level per cardholder or 25K cards with three access levels per cardholder (card type and use of PIN dependent) Access Levels: 256 per TC <sup>2</sup> Time Zones: 64 per TC (2 fixed as "never" and "always")
<b>Expansion Input Module</b>	Provides eight user-defined inputs
<b>Expansion Output Module</b>	Provides eight user-defined outputs

#### Devices

<b>Doors</b>	Each door includes door strike output, door switch input, and request-to-exit input
<b>Readers</b>	Support all standard industry formats, including Performa® and Mirage® proximity readers
<b>Inputs</b>	User-defined dry contact relays with supervision
<b>Outputs</b>	User-defined SPDT dry contact relays, 2A max at 24 VDC or 24 VAC

#### Cables

<b>Communications</b>	Host to LANLink via Ethernet; on-board 10 Base-T, 100 Base-T, or 10/100 Base-T LAN connection with CAT5 cabling
<b>IP Addresses</b>	Dynamic via DHCP or static via Pinnacle
<b>Readers/Keypads</b>	Shielded five conductor, 18 AWG (500 feet maximum) West Penn 3280
<b>Inputs</b>	Shielded twisted pair, 22 AWG (50 feet maximum) Belden 8761

<sup>1</sup>Sustained power consumption breakdown:

Each CPU Module = 325 mA  
Each Reader Module = 350 mA  
12V Power Converter Module = 70 mA  
5V Power Converter Module = 20 mA  
LANLink COM Module = 280 mA

<sup>2</sup>Pinnacle further supports (i) access levels sent to each controller in order of priority, on an as-needed basis, per the capacity stated and (ii) server authorized enhanced assists for cardholder access levels of lower priority

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#### LANLink M1200 Backplane Configurations

Base Configurations without I/O Expansion			
	TC Modules	Readers	Inputs / Outputs
<b>2-Reader: LANLink M1200-RC2</b>	1	2	4 / 4
<b>8-Reader: LANLink M1200-RC8</b>	4	8	16 / 16
<b>2-Reader I/O Special: AC-LANLink M1200-RI0</b>	1	2	4 / 4

Total Possible on a Single Backplane					
	TC Modules	I/O Modules	Readers	TC Inputs & Outputs	I/O Expansion Inputs or Outputs
<b>2-Reader: AC-LANLink M1200-RC2</b>	1	0	2	4 / 4	0
<b>plus 3 x LANLink M1200-REK</b>	3	0	6	12 / 12	0
<b>= 8-Reader: LANLink M1200-RC8</b>	4	0	8	16 / 16	0
<b>For above I/O expansion: AC-LANLink M1200-I07</b>	0	7	0	0	56
<b>2-Reader I/O Special: AC-LANLink-RI0</b>	1	4	2	4	32

Accessory modules for use with indicated backplane assemblies: 2-reader Terminal Controllers (TCs), and Input and Output expansion kits

Additional accessories: Power supply options, power regulators, battery kit, enclosure and backplane mounting hardware

Up to two backplanes can be added to a single enclosure; multiple backplanes can be mounted in larger NEMA or Hoffman enclosures

#### LANLink M1208 Controller Panels (all include battery kit, power regulator(s) and enclosure)

Configurations without I/O Expansion			
	TC Modules	Readers	Inputs / Outputs
<b>2-Reader: AC-LANLink M1208-RC2</b>	1	2	4 / 4
<b>4-Reader: AC-LANLink M1208-RC4</b>	2	4	8 / 8

Configurations with I/O Expansion					
	TC Modules	I/O Modules	Readers	TC Inputs & Outputs	I/O Expansion Inputs or Outputs
<b>2 Reader &amp; I/O Board (I/O Board only for future expansion): AC-LANLink M1208-RI0</b>	1	0	2	4	0
<b>2-Reader &amp; I/Os: AC-LANLink M1208-RI0</b>	1	4	2	4	32

Retrofit configurations available for AC-300 legacy replacements

Accessory modules for use with indicated backplane assemblies: 2-reader Terminal Controllers (TCs), Input and Output expansion kits, and 12V power supply options

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