Linear eMerge E3-Series Access Control

Market Leading - Embedded Browser Access Control Platform





eMerge Essential & Elite | 1 to 200 Doors



Access Control Made Easy

Affordable, Scalable, Browser-Based Access Control

The eMerge® E₃-Series represents the next step in the evolution of Linear's access control platform, delivering faster set-up, enhanced features, and industry-leading scalability that outperforms the competition.

The E₃-Series embedded browser-based network appliance platform makes advanced security technology reliable and affordable for any entry-level access control application. With tens of thousands of access control systems deployed in the field, and backed by decades of experience, Linear continues to deliver unprecedented value and innovation.

These full-featured, self-contained hardware/software access systems are perfect for commercial, industrial, banking, medical, retail, hospitality, and other businesses where users need to secure their facilities, manage access of personnel, create and analyze reports, and monitor the system from any web browser.

The E₃-Series' comprehensive wizard is fast and intuitive, saving significant set-up time.

Both the Essential and Elite can be seamlessly scaled up, via software keys, providing increased door and reader capacity, enhanced features, and higher level capabilities. Linear's eMerge E₃-Series makes expansion easy. The eMerge Essential and Elite set new standards of excellence for reliability, ease-of-use, expandability, best-in-class value and lowest cost of ownership.





Experience E3! Fast, Intuitive, Easy-To-Use



Essential™ or Elite™ in Compact Case



Essential Plus[™] or Elite[™] in Metal Cabinet (UL 294 Certified)



Supported Web Browsers









Not all Access Control Systems are Created Equal

The Linear E3-Series Advantage: Total Cost of Ownership (TCO)

Long-term, total cost of ownership of an eMerge E₃ system is significantly lower than many similar systems. Users can realize significant cost reductions when compared to traditional access systems:

How eMerge E₃-Series Lowers Your Total Cost:

- Faster to setup, simple to maintain
- Embedded Linux Operating System (OS)
 - MVP (Minimized Virus Potential)
 - No Microsoft update dependencies
- Independent network, server, and dedicated workstation hardware are not required
- Includes SQL database engine; no add-on database software licenses required
- No client licenses to load
- 100% solid state
- Common hardware reduces installer training and inventory cost
- Common software user interface means reduced training costs
- Open platform allows for cost-effective integration with other technologies

PC-based access servers fail, due to moving hard drives. Competitive models will typically require hard drive and server software replacement at least once over the life of their systems

Software Feature Comparison

| eMerge | Essential™ | Elite™ (36-Doors) |
|---|------------|-------------------|
| Dashboard | • | • |
| Graphic floorplans | • | • |
| Card decoder | • | • |
| SQL database | • | • |
| First-in-unlock rule | • | • |
| Manager first rule | • | • |
| 2-man rule | • | • |
| Portal unlock scheduling by time | • | • |
| Multiple holiday schedules | • | • |
| Multiple language support | • | • |
| Audit trail | • | • |
| Toggle/Passage | • | • |
| CSV file import tool | • | • |
| Built-in reports | • | • |
| One time events | | • |
| Threat Level Management | | |
| Alters access control system behavior globally | | • |
| Threat levels | | 5 |
| Network-secure API for external application integration | | • |
| Distributed Redundant Database architecture (DRD) | | • |
| User-definable fields | 5 | 10 |
| Maximum concurrent web users | 8 | 16 |

The E3-Series browserbased access system saves time and money!

Overview of System Features

Essential

The entry-level eMerge Essential and Essential Plus supply the right amount of access control businesses need starting with 1-door / 2-reader capacity, plus immediate expansion capability to 4-doors / 8-readers (no additional hardware is needed to expand to 2, 3, 4, or more doors).

- License-To-Go™ upgrade key provides more doors or video integration with Digital Watchdog™ VMAX-Series DVRs
- Essential: Housed in a compact plastic enclosure
- Essential Plus: Housed in a steel enclosure; includes supervised AC battery back-up
- Easily scalable via software upgrade keys to higher-capacity E₃-Series eMerge Elite models
- UL 294 Certification (Plus and Standard model)

Elite

- Elite ships starting with door license; expandable up to 200-doors
- Includes Distributed Redundant Database (DRD) architecture
- More users, doors, readers, online transactions and overall capacity
- Advanced access control features & capabilities
- Centralized and/or distributed hardware
- Remote management-capable
- UL 294 Certification (Plus and Standard model)



Capabilities that Outshine Other Systems

Common Features

- Shared hardware and software architecture across all eMerge E₃-Series
- Reliable, IT-friendly embedded Linux operating system
- SQL database with optional API available (Elite only)
- Intuitive quick-start wizard
- Browser-based management enables system status and updates from any place, on nearly any browser, using any operating system
- Easily upgradable to incorporate future E₃ technology integrations
- UL 294 Certification (Standard and Plus models)

Hardware Features

- 100% solid state components
- High-speed, 1GHz processor handles multiple simultaneous users and more than 30 transactions per second
- Long-term event storage via micro-USB card
- Optional Power over Ethernet (PoE) available on all controllers, expansion nodes, and ACMs
- Controller and Expansion Node enclosure options:
 - o Small footprint ruggedized plastic enclosure
 - Midsized metal enclosure with key lock includes 60 watt 12VDC power supply. Can accommodate an additional ACM (8 doors / 16 reader capacity)
 - o All metal enclosures include supervised AC battery backup system

Software Features

- Optimized for use with iPhone, iPad, Android, tablets, and other mobile devices
- Dashboard displays full system status-at-a-glance including:
 - Event and activity log
 - Customizable door diagrams/floor plans with factory default templates
- Time-saving and convenient features:
 - Integrated card decoder tool
 - Dynamic event filtering
 - o Built-in audit-trail
 - Automatic daily data backup
 - Built-in documentation library
 - CSV flat file database import and export
 - o E-mail, text message notifications
 - Simple, easy-to-use predefined reports
 - Micro SD or FTP-based storage



E3 eMerge models are fully optimized for mobile devices

Ordering Guide

Enclosure -

The model number determines the e3 eMerge system and options.

Order using these easy steps:

1 Select Module Type

ES - Essential model

EL36 - Elite-36 model

EXN - Expansion node EV - Elevator module

ACM - Access Control Module



ES-1CE

MODEL

DESCRIPTION

3 Select Enclosure Type

Module

C - Compact Plastic

M - Metal/Standard Size

2 Select Module Door Capacity

- 1 Essential 1-door model
- 2 EXN expansion node w/2-door module capacity
- 4 Essential 4-door model
 - 4 door EXN expansion node

Elite model w/4-door module capacity

4 Select Reader Bundle

B - Reader bundle matches module door capacity (1, 2, or 4)

No "B" at the end of the model number indicates no readers are included

Additional Options & Accessories

| MODEL | DESCRIPTION | | | |
|---|--|--|--|--|
| ACM Modules (to add into existing enclosures) | | | | |
| ACM2D | 2-Door ACM Module | | | |
| ACM4D | 4-Door ACM Module | | | |
| ACMEV | Elevator ACM Module | | | |
| ACM2DB | 2-Door ACM Module w/2-Reader Bundle | | | |
| ACM4DB | 4-Door ACM Module w/4-Reader Bundle | | | |
| License & Reader Combination Packages | | | | |
| ES-1DL | Essential 1-door license | | | |
| ES-1DLB | Essential 1-door license with 1-reader bundle | | | |
| EL36-4CB | Elite-36 4-door system w/4-reader bundle, compact | | | |
| EL36-4MB | Elite-36 4-door system w/4-reader bundle, metal | | | |
| System Upgrade | | | | |
| ES-U36 | Essential upgrade to Elite 36-door system (ES-U36) | | | |
| EL-U64 | Upgrade license for Elite to 64-door capacity (EL-U64) | | | |
| EL-U96 | Elite 64 to Elite 96 upgrade | | | |
| EL-U128 | Elite 96 to Elite 128 upgrade | | | |
| EL-U200 | EL128-EL200 upgrade (Adds 5,000 users) | | | |
| Extended Warranties | | | | |
| E3-EW5 | Extended 5-year warranty (per board) | | | |

| Power Options | | | | |
|---|--|--|--|--|
| E3-POE | PoE Module - adds PoE capability | | | |
| PIP12VDCRU | Plug-in- | Power Supply 12V DC 24 Watt | | |
| PIP12V60W | Plug-in- | Power Supply 12V DC 60 Watt | | |
| B-12VDC7A | Battery - 12VDC 7 alignment - Battery AH | | | |
| Proximity Readers | | | | |
| 2-N-1ProxHAF | Single Gang/Mullion Mount Multi-Technology Reader* | | | |
| Cards & Key Fobs | | | | |
| ProxCard II | Wiegand 125 kHz Proximity Card* | | | |
| ProxKey | Wiegand 125 kHz Proximity Key Fobs* | | | |
| REX | | | | |
| EZ-Rex | Easy To | uch Request to Exit (Heavy Duty) | | |
| Elite-Series Expansion and Elevator Options | | | | |
| EXN-xx or EXN-xxB | | Door Expansion Nodes - multiple door qty., cabinet and reader bundle (xxB) options | | |
| EV-0C or EV-0M | | Elevator Control Nodes – available in compact or metal cabinet options | | |
| *Works with certain HID 125 kHz formats and card readers from | | | | |

Works with certain HID 125 kHz formats and card readers from AWID, HID and Farpointe.

eMerge E3 SeriesSpecification Comparisons

| eMerge | Essential™ | Elite™ | |
|-------------------------------------|--|----------------|--|
| Processor | 1GHz// | All Models | |
| On-board RAM | 512MB DDR2 (333MHz) | | |
| Storage | 4 GB Micro SD | 8 GB Micro SD | |
| Operating System | Embedded Linux | | |
| Maximum Concurrent Administrators | 8 | 16 | |
| Transactions Per Second Per Module | 30+ | | |
| Doors/Portals | 1 to 4 | 36-200* | |
| Maximum Readers (in/out) | 8 | 72-400* | |
| Expansion Modules | N/A | 36-192* | |
| Elevator Control Modules | N/A | 5 Cabs | |
| Elevators/Cabs | N/A | 5 | |
| Floors/Module | N/A | 36 | |
| Elevator Groups/Module | N/A | 16 | |
| Inputs | Up to 12 | 108-432* | |
| Outputs | Up to 8 | 72-128* | |
| Virtual Outputs | No | Yes | |
| Maximum Users/Cardholders | 1,000 | 5,000-10,000* | |
| Access Cards | 8,000 | 32,000-64,000* | |
| Cards Per Person | 12 | 32-120* | |
| UL Certification | UL294 for Standard and Plus models | UL294 Series 6 | |
| Badging | No | Optional | |
| Antipasspack | No | Timed | |
| Card Types | Toggle, One Time, First In Manager, 2 Man Rule, Passage, Relock, Extended Unlock | | |
| Scheduled Events/Outputs | No | Yes/50 | |
| Card Formats/Integrated Card Reader | 32/Yes | | |
| Total System Access Levels | 25 | 250 | |
| Time Specs (schedules) | 25 | 128 | |
| Holidays | 30 | 60 | |
| Online Transactions | 15,000 | 30,000 | |
| User Defined Data Fields | 5 | 10 | |
| Threat Levels | N/A | 5 | |
| Enclosure Dimensions | | | |
| Compact Plastic (W x H x D): | 12.25 in x 11.1 in x 2.23 in (31.1 cm x 28.2 cm x 5.7 cm) | | |
| Mid-sized Steel (W x H x D): | 17.5 in x 14.25 in x 6.5 in (44.5 cm x 36.2 cm x 16.5 cm) | | |
| Warranty | 1 Year | | |

^{*}Upgrade required. Additional SD memory required for maximum user capacity





