

# LINEAR™

## Exceptional Access Control



## SERIES

# Browser-Managed Access Control Solutions

Comprehensive embedded OS  
and browser-managed access systems



e3 Essential & Elite Systems

# e3 ACCESS CONTROL SERIES

## Out-of-the-Box Ready Access Control



## Embedded Browser-Managed Access Control Systems with optional Remote Management Console.

With tens of thousands of systems installed in the field, the e3-Series delivers **faster set-up, enhanced features, proven reliability, and leading scalability.** These feature-rich, self-contained access systems are designed for small & mid-sized applications where users need to secure their facilities, manage

access of personnel, create and analyze reports, and monitor the system remotely. The e3-Series' comprehensive wizard is **fast and intuitive making system set-up simple and easy.** All e3 systems share one common database and programming interface.



### Out-of-the-box ready:

**e3 systems do not require PC or software to install.** The embedded Linux OS and common hardware platform provide the ideal solution and optimum performance without the indirect soft costs of other systems. Embedded MySQL enables quick and easy set-up via integrated tools for data import. Our expansion modules and accessories offer the right specifications to fit any system design. Design provides long-term reliability and reduced customer support issues.



### Scalable for any small and mid-sized application:

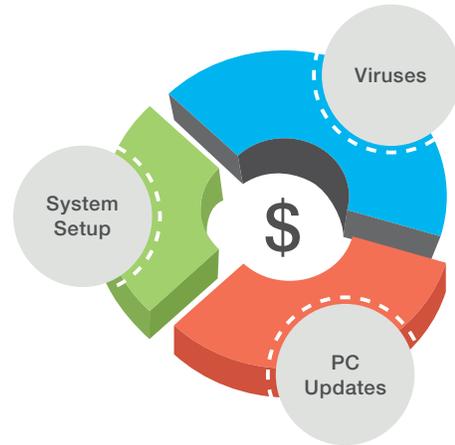
Whether you are commercial, industrial, medical, retail, hospitality or other businesses where users need to secure their facilities, e3 systems are perfect for you. Add on licenses allows users to optimize their systems for today and in the future. **Common hardware and one code-based platform allow easy feature deployment.**

# LOWER TOTAL COST OF OWNERSHIP

## Operationally Superior for the Dealers

Market leading capabilities & value targeting entry-level to mid-market access control applications. Our technology, focus drives profitability in the “sweet” spot of installations. Thanks to e3 series’ lower cost for installation, lower cost for support and RMR platform, e3 sells more jobs.

- Faster to setup, simple to maintain
- Embedded Linux Operating System (OS)
  - MVP (Minimized Virus Potential)
  - No Microsoft update dependencies
- Dedicated workstation hardware not required
- Includes SQL database engine; no add-on database software licenses required
- Browser-managed eliminates the need to load client licenses
- Common hardware reduces installer training and inventory cost
- Common software user interface means reduced training costs
- Flat cost for replacement / service hardware.



Cost of Ownership

Software Feature Comparison	Essential™	Elite™
Dashboard	•	•
Graphic floorplans	•	•
Card decoder	•	•
First-in-unlock rule	•	•
Manager first rule	•	•
2-man rule	•	•
Portal unlock scheduling by time	•	•
Multiple holiday schedules	•	•
Multiple language support	•	•
Event and administrator audit trail	•	•
Toggle/Passage	•	•
CSV file import tool	•	•
Built-in reports	•	•
One time events		•
<b>Threat Level Management</b>		
-Alters access control system behavior globally		•
-Threat levels		5
<b>Distributed Redundant Database architecture (DRD)</b>		•
User-definable fields	5	10
Maximum concurrent web users	8	16

## LINEAR E3 SERIES OVERVIEW OF SYSTEM FEATURES

### e3 Essential

The entry-level value leading 1–4 door system with immediate expansion capability to 4-doors and 8-readers (no additional hardware is needed to expand doors).

- System easily expands capabilities via License-To-Go—grow your capabilities as your needs change.
- 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 models)



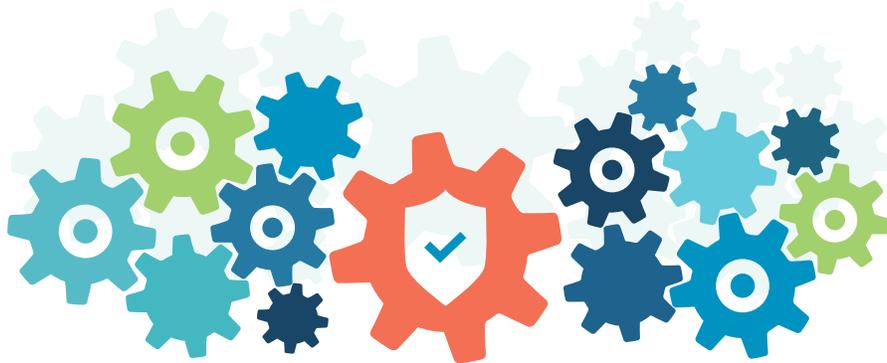
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### e3 Elite

- Feature rich system designed for 4 - 128 multi-door, multi-site systems
- Elite ships starting with 36 door license; expandable up to 128-doors
- Includes Distributed Redundant Database (DRD) architecture
- More users, doors, readers, online transactions and overall capacity
- Advanced access control features & capabilities
- Model option provides 10 Amp integrated power supply for locks and system
- UL 294 Certification (Metal housing models)

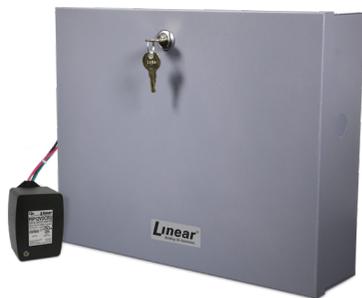


## Capabilities that Outshine Other Systems



### Common Features

- Shared hardware and software architecture across all e3-Series
- Reliable, IT-friendly embedded Linux operating system
- SQL database with optional API available
- Intuitive quick-start wizard
- Browser-based management enables system status and updates from any place, on nearly any browser
- Easily upgradable to incorporate future e3 technology integrations
- UL 294 Certification



### Hardware Features

- High-speed, 1GHz processor handles multiple simultaneous users and more than 30 transactions per second
- Long-term event storage via micro-USB card and FTP back-up
- Optional Power over Ethernet (PoE)
- Controller and Expansion Node enclosure options:
  - Small footprint ruggedized plastic enclosure
  - All metal enclosures include supervised AC battery backup system
- Step-up Power Supply\*  
Integrated and stand-alone:
  - 10Amp - with Step-up Regulators provides both 12 and 24 VDC at the same time
  - Designed to lower the cost of installation by eliminating the conduit, interconnected wiring to power locks and other auxiliary items

### Software Features

- Mobile-friendly user interface
- Set-up wizard
- Dashboard displays full system status-at-a-glance including:
  - Event and activity log
  - Customizable door diagrams/floor plans
  - Remote door lock and unlock with status view camera's, photo id's and defined events with acknowledgments
- Time-saving and convenient features:
  - Integrated card decoder tool
  - Dynamic event filtering
  - Built-in audit-trail
  - Automatic daily data backup
  - Built-in documentation library
  - CSV flat file database import and export
  - E-mail, text message notifications
  - Simple, easy-to-use predefined reports
  - Micro SD or FTP-based storage

\*certain models contain this option. See model selection guide

# LINEAR E3 SERIES ORDERING GUIDE



## 1 Family - Module

ES - Essential  
 EL36 - Elite  
 ACM - Add on door module  
 EXN - Add on door module and housing

## 3 Select Enclosure Type

C - Compact Plastic  
 M - Metal

## 2 Select Module Door Capacity

1 - 1 door  
 2 - 2 door  
 4 - 4 door

# EL-2MPB

## 4/5 Power/Reader Bundle

P - Power Distribution Cabinet & module  
 No "P" at end uses Standard Cabinet  
 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
<b>Elite ACM Modules (to add into existing enclosures)</b>	
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 (Works only with Elite)

### Licenses

(Note: Essential upgrades up to 4 doors, or option to update to Elite.)

ES-1DL	Essential 1-door license
ES-1DLB	Essential 1-door license with 1-reader bundle

### Add-on Licenses

ES-U36	Essential 4 door to Elite 36 Door upgrade
EL-U64	Upgrade license for Elite 36 to 64-door capacity
EL-U96	Elite 64 to Elite 96 upgrade
EL-U128	Elite 96 to Elite 128 upgrade
EL-BADGE-L	Elite Badging License

### Extended Warranties

E3-EW5	Extended 5-year warranty (per board)
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### REX

EZ-Rex	Easy Touch Request to Exit (Heavy Duty)
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MODEL	DESCRIPTION
<b>Proximity Readers</b>	
BT135-W	Bluetooth + 13.56 MHz Smart Reader
BT125-W	Bluetooth + 125 kHz Prox Reader
NBT125-W	Access Reader

### Cards & Key Fobs

ISO125-H	125 Prox HID ISO Card
ISO125-A	125 Prox AWID ISO Card
CLM125-H	125 Prox HID Clamshell Card
CLM125-A	125 Prox AWID Clamshell Card
KFB125-H	125 Prox HID Key Fob
KFB125-A	125 Prox AWID Key Fob
ISO135-L	13.56 SMART ISO Cards
CLM135-L	13.56 SMART Clamshell Card
KFB135-L	13.56 SMART Key Fob
BT-MOB-L	Digital / Mobile Credential
WOR	Wiegand Output Receiver

### 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

### Power Supplies

PS124D-02A4	12 VDC, 2 Amps
PS124D-05A4	12 VDC, 5 Amps
PS124D-10A8	120 VAC, IEC Cord

## LINEAR E3 SERIES SPECIFICATION COMPARISONS

e3	Essential™	Elite™
Processor	1GHz/All Models	
On-board RAM	512MB DDR2 (333MHz)	
Storage	16 GB Micro SD	
Operating System	Embedded Linux	
Maximum Concurrent Administrators	8	16
Transactions Per Second Per Module	30+	
Doors/Portals	1 to 4	128
Maximum Readers (in/out)	8	256
Expansion Modules	N/A	32
Elevator Control		
-Elevators / Cabs	N/A	1 cab / 8 floors, 4 cabs maximum
-Floors / Module	N/A	32 Floors / 8 per cab / 4 cabs max
Inputs	Up to 12	8 to 280
Outputs	Up to 8	4 to 140
Maximum Users /Cardholders	1,000	10,000
Access Cards	8,000	120,000
Cards Per Person	12	32
UL Certification	UL294 for Standard and Plus models	UL294 Series 6
Badging	N/A	Optional
Antipasspack	N/A	Timed
Card Types	Toggle, One Time, First In Manager, 2 Man Rule, Passage, Relock, Extended Unlock, Latchkey	
Scheduled One Time Events / Outputs	N/A	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

For more information, please visit [www.linear-solutions.com](http://www.linear-solutions.com).  
Specifications subject to change without notice.

# e3 Systems



LINEAR

[www.linear-solutions.com](http://www.linear-solutions.com)