

# eMerge Essential™



## 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 technologies, delivering faster set-up, enhanced features, and industry-leading scalability that outperforms the competition.



The eMerge Essential™ and Essential Plus™ embedded browser-based network appliances make 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.



**eMerge Essential™**

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 remotely from any web browser.

The comprehensive wizard is fast and intuitive, saving significant set-up time. Both the Essential and Essential Plus can be seamlessly scaled up, via software keys, to other eMerge E3-Series systems providing increased door and reader capacity, enhanced features, and higher level capabilities. The eMerge E3-Series makes expansion easy.



**eMerge Essential Plus™**

The eMerge Essential and Essential Plus set new standards of excellence for reliability, ease-of-use, expandability, best-in-class value and lowest cost of ownership.

# eMerge Essential

## Capabilities that Outshine Other Systems

### Features

- Shared hardware and software architecture across all eMerge E3-Series means easy upgrades and expansion.
- Reliable, IT-friendly embedded Linux operating system eliminates:
  - Virus / spyware attacks
  - Operating System update dependency
- eMerge Essential and Essential Plus supply the right amount of access control businesses need:
  - Starts at 1-door / 2-reader capacity with out-of-the box expansion capability to 4-doors / 8-readers
  - License key-based scalability (No additional hardware is needed to expand to 2, 3, or 4 doors)
- Intuitive quick-start wizard allows for ultra-fast setup, saves hours of time versus traditional systems
- Browser-based management enables system status and updates from any place, with any browser, on any operating system
- Easily scalable via software upgrade to higher-capacity E3-Series eMerge systems
- Enclosure sizes:
  - Small footprint ruggedized plastic enclosure (eMerge Essential)
  - Midsized metal enclosure with key lock (eMerge Essential Plus)
- UL 294 Certification (pending)
- Includes ODBC-compliant MySQL database with API

### Hardware Features

- 100% solid state components for extended service life
- High-speed processor handles multiple simultaneous users and more than 30 transactions per second
- Integrated tamper switch and inputs / outputs for additional functionality
- Optional Power over Ethernet (PoE) available on both Essential models (allows for backup power through a UPS)
- eMerge Essential Plus includes:
  - A 5-amp 12 VDC supervised power supply
  - Battery backup-ready enclosure
  - Capable of housing an additional expansion module

### Software Features



- One common software for all platforms, based on Linear's industry leading access control software
- 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
  - CSV flat file database import
  - Dynamic event filtering
  - Built in audit-trail
  - Automatic daily data backup to Micro SD or FTP-based storage
  - Usable from iPhone, iPad, Android or other mobile devices
  - E-mail, text message notifications
  - Simple, easy-to-use predefined reports
  - Built-in documentation library
- Optional software updates for new feature and product enhancements



*Quick-Start Setup Wizard:  
Saves Hours of Time Getting  
You Up and Running*

# eMerge Essential & eMerge Essential Plus:

## Access Control Selection Simplified

	DOORS	DESCRIPTION	ORDER # (No Readers)	ORDER # P-300HA Reader Bundle
<b>Essential Plus</b>  <i>Metal Cabinet with Supervised Power Supply Charging Circuit</i>	1	1 Door Essential Plus System*	ES-1M	ES-1MB
	2	1 Door Essential Plus System* + 1 Additional Door License	ES-1M + ES-1DL	ES-1MB + ES-1DLB
	3	1 Door Essential Plus System* + 2 Additional Door Licenses	ES-1M + ES-1DL x 2	ES-1MB + ES-1DLB x 2
	4	4 Door Essential Plus System*	ES-4M	ES-4MB
* UL 294 Certified Power Supply Included				
<b>Essential</b>  <i>Plastic Cabinet; Power Supply Sold Separately</i>	1	1 Door Essential System**	ES-1C	ES-1CB
	2	1 Door Essential System** + 1 Additional Door License	ES-1C + ES-1DL	ES-1CB + ES-1DLB
	3	1 Door Essential System** + 2 Additional Door Licenses	ES-1C + ES-1DL x 2	ES-1CB + ES-1DLB x 2
	4	4 Door Essential System**	ES-4C	ES-4CB
** Power supply sold separately All models can be equipped with optional PoE power (see options list below)				

### Additional Options & Accessories

MODEL	DESCRIPTION	MODEL	DESCRIPTION
<b>System &amp; Reader Combination Packages</b>		<b>Proximity Readers</b>	
ES-1CB	Essential 1-door system with 1-reader bundle	P-300HA	HID Compatible Proximity Reader, Mullion Mount
ES-4CB	Essential 4-door system with 4-reader bundle	P-500HA	HID Compatible Proximity Reader, Single Gang Mount
ES-1MB	Essential Plus 1-door system with 1-reader bundle	P-640HA	HID Compatible Proximity Keypad Reader
ES-4MB	Essential Plus 4-door system with 4-reader bundle	<b>Cards</b>	
<b>License &amp; Reader Combination Packages</b>		PSC-1H	HID Compatible, Proximity Clamshell Card
ES-1DLB	Essential 1-door license with 1-reader bundle	PSM-2PH	HID Compatible, Proximity ISO PVC Card
<b>System Upgrade</b>		<b>Key Fobs</b>	
ES-U36	Essential upgrade to Emerge Elite 36-door system	PSK-3H	HID Compatible Proximity Keyfob
<b>Power Options</b>		ProxKey	Wiegand 125 kHz HID Compatible Proximity Key Fobs
E3-POE	PoE Module - adds PoE capability	<b>REX</b>	
PIP12VDCRU	Plug-in-Power Supply 12V DC 24 Watt	EZ-Rex	Easy Touch Request to Exit (Heavy Duty)
PIP12V60W	Plug-in-Power Supply 12V DC 60 Watt		
B-12VDC7A	Battery - 12VDC 7 AH		

## Specifications

**Processor:** 1GHz

**On-board RAM:** 512MB DDR2 (333MHz)

**Storage:** Micro SD Storage Media Supplied

**Power:** 12V-DC

**Operating system:** Embedded Linux

**Simultaneous system users:** 8

**Transactions per second:** > 30

**Plastic enclosure (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)

**Steel enclosure (W x H x D):** 18.75 in x 14.25 in x 6.5 in (47.6 cm x 36.2 cm x 16.5 cm)

**Doors/Portals:** 1 (scalable to 4+)

**Maximum readers:** 8

**Inputs:** Up to 12 / plus 2 digital

**Outputs:** Up to 8

**Cardholders:** 1,000

**Access cards:** 8,000

**Cards per person:** 12

**Card formats:** 32

**Access levels:** 8

**Time specs:** 100

**Online transactions:** 15,000



## Supported Web Browsers and Partners



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

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