



ECC

EDWARDS
Built for Resilience



Networked Life Safety Platform



FIRE SAFETY FOR THE FUTURE

EST4 represents a great leap forward in life safety capability, drawing on the strength and success of its predecessor — EST3 — to deliver the industry's most robust and thoughtfully-crafted networked life safety platform.



MODULAR CAPABILITIES

A modular panel provides extraordinary flexibility and customizable configuration, allowing you to include only the capabilities you need and to easily exclude those you don't, while also providing for future expansion.

ADVANCED NETWORK ARCHITECTURE

EST4 adapts to a multitude of facility and campus layouts, reducing the cost of networked systems. And UL-listed proxy firewalls help protect your system against cyber threats when connecting to outside networks.

EMERGENCY VOICE COMMUNICATIONS

EST4's distributed audio and impressive capacity of 200 channels per system make it the clear choice to deliver critical messages when and where they are needed.

BACKWARDS COMPATIBILITY

Wiring, devices and most local EST3 rail modules are fully backwards compatible with EST4, providing easy migration paths and an economical transition to new technology.

FUTURE READY

While EST4 currently meets the rigorous UL864 fire alarm controls standard and UL2572 standard for mass notification, its design is ready to adapt to future code and standard changes.

SURVIVABILITY

EST4 is engineered for mission-critical environments, delivering fire alarm, mass notification, and building integration through a resilient architecture that maintains life-safety performance—even when infrastructure is compromised.

SAFEGUARDING PEOPLE AND PROPERTY

From the big picture to the small details, EST4 is engineered to make protection as flexible, efficient and user-friendly as possible.

FLEXIBILITY & EFFICIENCY

UP TO
75%

LESS CABLING REQUIRED
for network, audio and telephone data due to shared, single-twisted pair or fiber strand



200
channels

of digital audio on a single pair of wires

USER EXPERIENCE

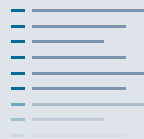
LED Indicators:

5

Color Options
EACH

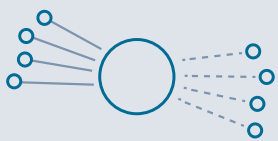
20k

EVENT HISTORY



FULL-COLOR
LCD Touch Screen
with tactile buttons

CONNECTIVITY



Local and Remote Reporting



*Connected***Safety+**
Edwards
ConnectedSafety+
Compatible



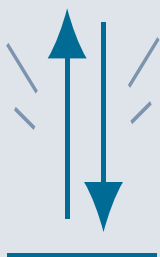
Now seamlessly integrates

with ModuLaser® Aspirating Smoke Detectors, requiring no additional hardware



480 Mbps
BUILT-IN
USB ports on panels

MAINTENANCE ADVANTAGES



ZERO

DOWNTIME

during system updates with Advanced Upload/Download Protocol

LOGICAL

PROGRAMMING

depicts the system in a graphical tree view to match building layout



REDUCED

NUISANCE ALARMS

using the Signature Protocol and Optica Detectors

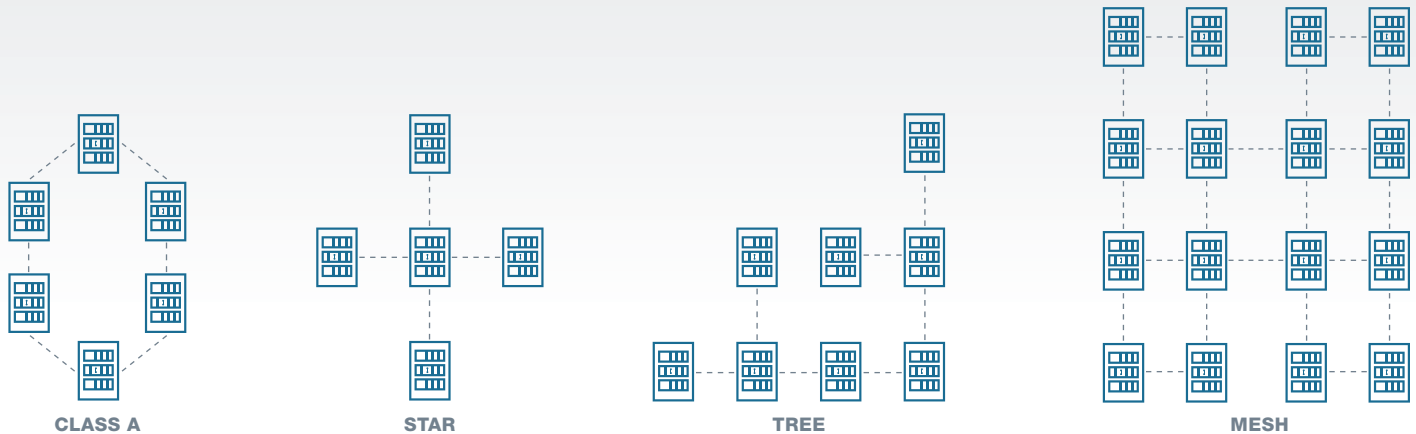


PRIORITY: FLEXIBILITY

Thanks to its modular capabilities, hot-swappable network connections and easy migration paths, EST4 is flexible enough to safeguard a wide variety of facilities. From multi-building campuses to soaring high-rises, EST4 can be configured in a variety of network topologies, including classes B, A, X, N, or full mesh using copper, fiber or ethernet cable.

THE RESULT: Redundancy and Survivability

SELECT CONFIGURATION EXAMPLES



PRIORITY: SURVIVABILITY

EST4's distributed architecture keeps detection, communication, and notification active even when infrastructure is compromised.

When paired with FireWorks in a high-availability configuration, synchronized primary and standby servers maintain uninterrupted monitoring and command capability across large facilities.



Built-In Resilience Without Redundant Hardware

Intelligent peer-to-peer architecture and flexible network options maintain life-safety operation during network interruptions—reducing hardware, cost, and system complexity.



Redundant CPU Databases & Backup Amplifiers

Independent panel databases maintain alarm and audio operation during network faults, while selective backup amplifiers ensure intelligible messaging.



Advanced Detector and Loop Controller Resilience

Unique detector and loop controller architecture allows alarms to be detected, communicated, and acted upon even if a main CPU or loop controller is compromised—preserving life-safety when it matters most.



Cyber-Resilient Architecture

Built-in proxy firewalls help protect the life-safety system from external cyber threats to keep protection active 24/7.

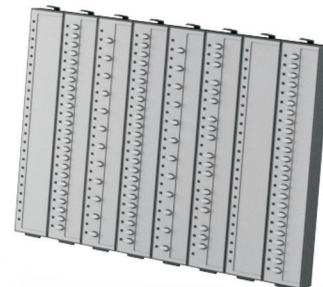
PERSONALIZED PROTECTION FOR YOUR PROJECT

Thanks to the completely customizable nature of the EST4 panel, you'll never have to try to fit a unique facility environment into a cookie-cutter network again.



CONTOURED DOOR DESIGN

Modern, aesthetic appearance, available in red or metallic bronze.



CONTROL-DISPLAY MODULES

Customizable, modular design adapts to more projects with fewer parts.



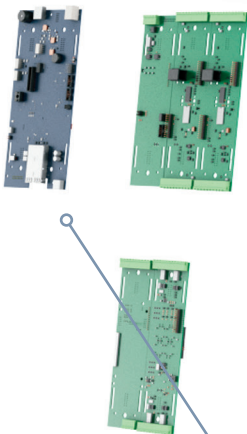
FULL-COLOR TOUCH SCREEN

Fast, intuitive access to service and first-responder functions. User-configurable home screen image.



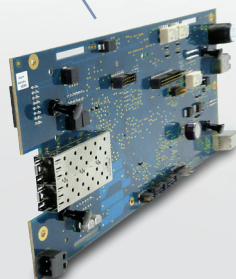
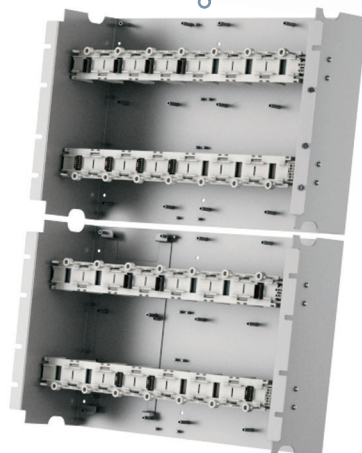
EXTENDED PAGING MICROPHONE

Networked microphones with prerecorded messages at every panel enhance the system's survivability if the network is interrupted.



INNER DOOR/ OPERATOR LAYER

Makes installation of the user interface fast and easy. Provides a clean barrier between the emergency user and field wiring.



CENTRAL PROCESSING UNIT

Modern Linux-based OS with fast processing and enhanced capabilities.

RAIL MODULE REUSE

Leverages prior investments in retrofit applications.



MAXIMIZED SYSTEM POWER

Up to 4 power supplies in a single panel can reduce the amount of hardware, saving wall space.



CUSTOMIZABLE SOLUTIONS THROUGH A DEDICATED PARTNER NETWORK.

Some of the world's most impressive structures — from the Bibliotheca Alexandrina Museum in Egypt to the modern-day Sphinx at the Luxor Hotel in Las Vegas — are designed, owned and occupied by professionals who have chosen Edwards to secure their facilities. That's because our partners — the people we entrust with our technology — provide unrivaled support and know-how to create custom life safety solutions that lead the industry in innovation. And they're ready to do the same for you.

See what's possible for your business. Contact your Edwards Partner today.



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Built for Resilience

To Learn More:

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COA # 6314

