



Versatile

EST3X Life Safety Solutions



EST BRAND LIFE SAFETY & COMMUNICATIONS FROM EDWARDS

See what's possible now...



It does.

EST3X does more than provide life safety protection. It provides a bridge between what's needed and what can be achieved; between what's best and what's possible. EST3X transcends traditional boundaries that have for generations held system designers back. It brings a new level of user control to tightly-regulated environments, and offers economies of scale where none were thought previously to exist. EST3X is detection and alarm for the 21st Century; it is life safety for dangerous times. It is versatile. It is powerful. It is extra bold.

EST 3X EXTRA BOLD.

EST3X represents the latest generation of life safety control panels for mid to large sized applications. With large multi-message displays and innovative controls, intuitive interfaces, and bold colored cabinets — these systems capture the imagination, and catch the eye. But behind the LCD display is where they really shine.

New microprocessors and chipsets take full advantage of the latest advances in computing technology, leading to smarter, faster, higher-

capacity processing and more efficient designs.

High performance processing also leads to powerful networking features and versatile digital audio functionality. The wide range of EST3X configurations include standalone operation, networking with up to eight nodes, or integration with an EST3 network comprising as many as 64 nodes — complete with EST3-Sixty mass notification capabilities and display of security events.

You can.

You can deliver high performance features exactly where you need them because flexibility is where EST3X's leading edge computing power is put to best use. This generation of control panels is equally at home as the center of a simple single-building standalone system as it is as part of a sophisticated life safety network serving thousands of points across multiple buildings. Optional voice evacuation bridges the gap left by other mid-range systems, and makes these panels a cost-effective solution for mid-range applications.

Networking at the speed of light

Networking is among EST3X's strong suits. Highly efficient RS-485 connectivity, plus fiber-optic communications deliver faster response times and more sophisticated diagnostic capabilities, while cost-effective remote annunciation solutions keep basic monitoring and control always within reach.

A simple EST3X network can comprise up to eight nodes – enough to serve the needs of most campuses and larger buildings. Its ability to join an EST3 network with as many as 64 nodes extends EST3X's reach into mass notification applications, security reporting, as well as making it an ideal candidate for retrofits.

Seamless System Integration

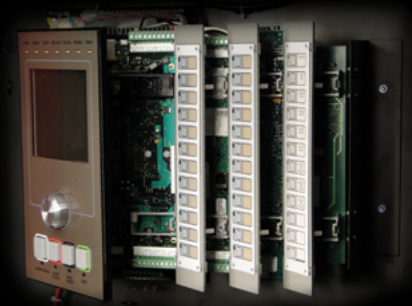
EST3X borrows much from its larger sibling, the venerable EST3 Life Safety Platform. And for good reason: by integrating with the EST3 networking and computing environment, an EST3X control panel can serve as a cost-effective remote node for extinguishing, smoke control, or even mass notification functions — all within the same compliance framework.

Retrofits and expansions benefit enormously from this arrangement, but programming and equipment management for new installations is equally efficient as a result of these shared resources. EST3X will accommodate up to three EST3 modules on its own rail assembly, giving it access to such proven EST3 successes as zoned amplifiers, conventional device circuits, modem communicators, and RS-485 functions. Meanwhile, installers familiar with EST3 configuration and programming will fly through EST3X setup: the same correlation rules apply, as do diagnostics.

Power that goes the distance

Edwards' patented *Voltage Boost*[™] technology delivers a consistent 22.5 V – even at low battery power. This means lighter gauge cable can be used for equivalent distances compared with conventional power supplies, or longer wire runs on the same gauge cable. Either way, this breakthrough technology saves time and equipment costs, making EST3X not only a high-performance solution — but a cost-effective one as well.

EST3X's four on-board Notification Appliance Circuits are fully synchronized to UL 1971 standards — without the need for external modules or other electronics. It's ample 10-amp power supply is finely tuned to get the most out of Edwards' widely-acclaimed low profile Genesis notification appliances.



EST3X sets a new standard in front-panel life safety control interfaces. Its exclusive *Speed-Touch*[™] rotary control offers nimble forward and back scrolling through events and options, while a mere tap of the control selects items with an unprecedented fluidity of motion.

Its extra-large backlit display reveals up to eight concurrent messages, and switch/LED strips provide ample space for meaningful custom labels.

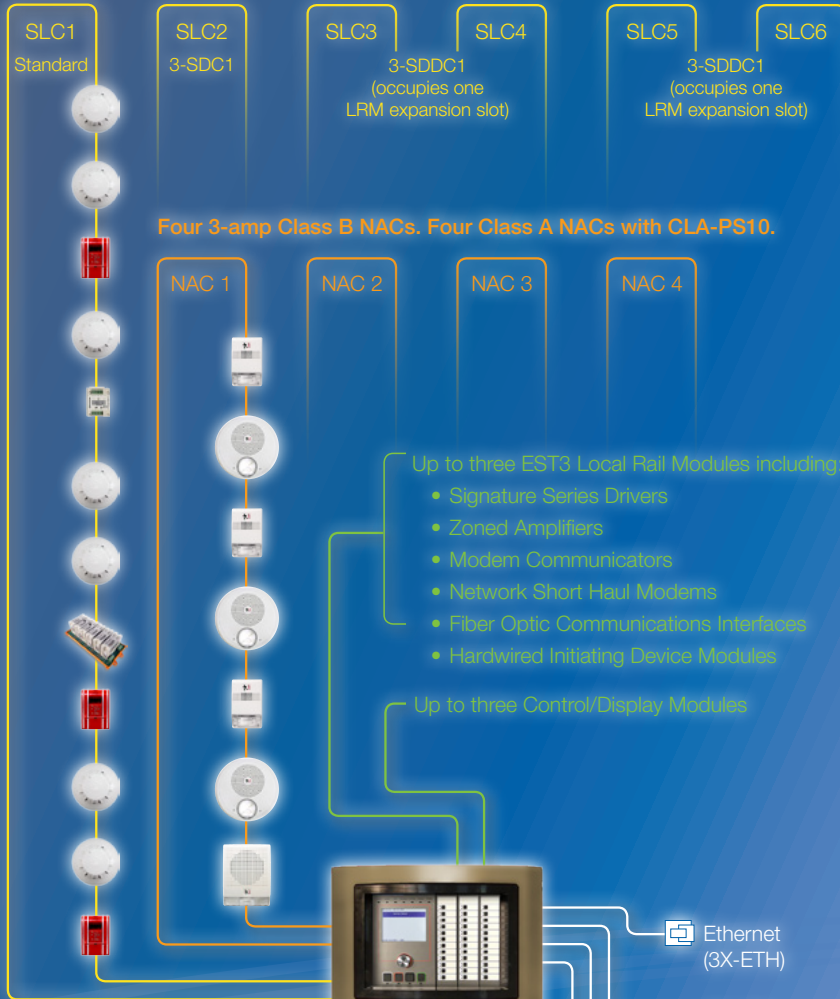
For service technicians, the display is hinged to offer convenient modular access to optional components, and for end users, large tactile control buttons instill confidence and promote quick response when time is of the essence.



It can.

EST3X

Up to six intelligent analog loops hosting as many as 250 devices each.



Four 3-amp Class B NACs. Four Class A NACs with CLA-PS10.

Up to three EST3 Local Rail Modules including:

- Signature Series Drivers
- Zoned Amplifiers
- Modem Communicators
- Network Short Haul Modems
- Fiber Optic Communications Interfaces
- Hardwired Initiating Device Modules

Up to three Control/Display Modules

Up to 30 Class B Annunciators, 4,000 ft. max.

Ethernet (3X-ETH)

RS-232

Relays: 3 Form C

Aux. Power: 24 VDC, 1.0 A total

3X-NET

3X-FIB8/NET8

Or...



EST3X option cards allow you to fine tune any application to deliver exactly the features you need at the lowest possible price.

■ **3-SDC1 Signature Data Circuit Card** provides one Class A or Class B signaling line circuit (SLC1) that supports up to 125 Signature Series detectors and 125 Signature Series module addresses. The module also provides a connection for powering conventional two-wire smoke detector circuits on Signature Series modules. EST3X comes standard with one 3-SDC1 card installed as SLC1. An optional second 3-SDC1 card may be installed to provide SLC2, thus doubling system signaling line capacity.

■ **CLA-PS10 Class A Adapter Card** is an optional card used to convert the four Class B notification appliance/auxiliary power circuits on the power supply card to Class A.

■ **3X-ETH Ethernet Adapter Card** provides a standard 10/100 Base-T Ethernet network connection for panel programming, diagnostics, and status monitoring. Four LEDs on the adapter card indicate card and network status.

■ **3X-NET Network Adapter Card** gives an SFS1-CPU main board the ability to network with 64 nodes on an EST3 network. The card supports Class B and Class A wiring. The 3X-NET adapter card provides two independent RS 485 circuits: one for network data communications and one for digital audio communications.

■ **3X-NET8 RS-485 Network Card** gives an SFS1-CPU main board the ability to network through dedicated copper wire up to eight EST3X control panels. The card supports Class B and Class A wiring.

■ **3X-FIB8 Fiber Optic Network Card** gives an EST3X panel the ability to network up to eight panels. Both Class A and Class B connections are supported. The module consists of the adapter card and electronics card.

They will.

Facilities will benefit from a sophisticated system designed to function as a whole. That's because EST3X features control components and field devices engineered and manufactured by Edwards to the highest standards of interoperability.

Audio that speaks for itself

EST3X features a full eight channels of integrated digital audio with up to two minutes of on-board programmable message storage. Its paging microphone gives live access to local as well as remote audio functions. Auxiliary inputs are available for mass notification operations, and amplifiers may be mounted directly on the EST3X rail assembly.



Economical annunciation

Up to 30 R-Series LCD, LED annunciators and driver interface cards may be configured for each node on the EST3X network. No additional nodes are required for annunciation purposes. EST3X also supports EST3 network annunciators, while available driver interface cards provide cost-effective graphic annunciation solutions.



Detection you can count on

Designed for EST3X systems, Signature Series intelligent detectors boast diagnostic routines so accurate that a ground fault can be pinpointed down to the location of a single module address, and self-testing so reliable that routine sensitivity calibration is not required for NFPA compliance. With automatic day/night sensitivity adjustment, field-replacable smoke chambers, and modular CO sensors — Signature Series adds high-performance detection to EST3X's incomparable processing power.



Small signals, big splash

EST3X's Genesis notification appliances represent the rebirth of emergency signals with looks and features ideal for life safety and mass notification applications. Field-configurable wall strobes, horns, and chimes about the size of a deck of playing cards offer a discreet alternative to bulky devices, while speakers and ceiling models with clean modern lines blend inconspicuously with any surrounding.



EST3X: the bridge between what's best and what's possible.



Innovation, leadership, and a rich tradition of excellence

Whether EST life safety systems are protecting the lives and livelihoods of the people who make businesses run, or the lives entrusted to the care of public institutions; whether they're charged with protecting the guests of the world's finest hotels, or preserving irreplaceable artifacts that bring history to life; EST stands alone as the brand closely associated with some of the most important and far-reaching developments in the life safety industry today.

Our strength is in our Strategic Partners — the people and organizations we entrust with the technology that has charted the course of life safety protection for decades. Strategic Partners are not middlemen or go-betweens. They are independent contractors that form an integral part of the Edwards marketing and support organization. As insiders, they enjoy exclusive access to products, custom design innovations, specialized training, and pricing privileges. Yet as successful independent contractors, they are adept at ensuring that each submittal is strong and competitive, and that each bid is locally relevant to your installation. As local businesses they not only have to earn your trust — they have to keep it.

Together these strengths set EST installations apart, and have earned this brand a special place among life safety and security solutions available today. Perhaps that's why EST products and systems have become the choice of building owners, architects and engineers around the globe. And why many of the world's most cherished landmarks are protected by Edwards products that bear the EST mark. From the Bibliotheca Alexandrina Museum in Egypt, to the modern-day sphinx at the Luxor Hotel in Las Vegas, professionals who design, own and occupy the world's most impressive structures have come to know that the safest and most survivable solution today is an EST solution.

See what's possible now.
Contact your EST Strategic
Partner today.



85000-0372



Detection & alarm since 1872

U.S.
T 888-378-2329
F 866-503-3996

Canada
Chubb Edwards
T 519 376 2430
F 519 376 7258

Southeast Asia
T : +65 6391 9300
F : +65 6391 9306

India
T : +91 80 4344 2000
F : +91 80 4344 2050

Australia
T +61 3 9239 1200
F +61 3 9239 1299

Europe
T +32 2 725 11 20
F +32 2 721 86 13

Latin America
T 305 593 4301
F 305 593 4300

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It can.

Up to six intelligent signaling stages handling as many as 250 address points.

EST3X option cards allow you to fine tune any application to deliver exactly the features you need at the lowest possible price.

- Signature Series Data Circuit** Card provides on Class A or Class B signaling the circuit (SCLC) that supports up to 120 Signature Series detectors and 120 Signature Series module addresses. The module also supports a connection for providing conventional fire alarm signals. Additional modules on Signature Series include EST3X communication card, SCLC card, and SCLC. An optional second SCLC card may be installed to provide SCLC that isolates system signaling the security.
- Class A-PS10 Class A Adapter Card** is an optional card used to connect the fire alarm circuit to the power supply power source on the power source used by Class A.
- EST3X Ethernet Adapter Card** provides a standard 10/100 Mbps 10 Ethernet network connection for panel programming, diagnostics, and status monitoring. For LANs on the single card module card and network status.
- EST3X Network Adapter Card** provides the ability to network up to 64 nodes on an Ethernet network. The card supports Class B and Class A wiring. The EST3X Ethernet card provides real time network RS-485 module, one for reliable data communications and one for digital communications.
- EST3X RS-485 Network Card** provides an RS-485 network that provides the ability to network through distributed copper wire up to eight EST3X control panels, The card network Class B and Class A wiring. The EST3X Ethernet card provides real time network RS-485 module, one for reliable data communications and one for digital communications.
- EST3X Fire Alarm Network Card** gives an EST3X panel the ability to network up to eight panels. EST3X Class A and Class B connections are supported. The module consists of the adapter card and network card.



Detection & alarm since 1872

1-800-376-2026
F-800-376-2026
F-800-376-2026

Canada
1-800-376-2026
F-800-376-2026

Southeast Asia
T-+65 6399 6000
F-+65 6399 9000

India
T-+91 80 654 2000
F-+91 80 654 2000

Australia
T-+61 8 9228 1200
F-+61 8 9228 1200

Europe
T-+32 2 721 81 20
F-+32 2 721 81 20

Latin America
T-505 558 6000
F-505 558 6000

edwards@edwards.com

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You can.

You can deliver high performance features exactly where you need them because flexibility is where EST3X's leading edge computing power is put to best use. This generation of control panels is centrally housed as the center of a simple single-building stand-alone system or it is part of a sophisticated life safety network serving thousands of points across multiple buildings. Optional voice activation bridges the gap left by other mid-range systems, and makes these panels a cost-effective solution for all but the largest applications.

Networking all the way. Networking is among EST3X's strong suits. Highly efficient Ethernet and RS-485 connectivity, plus fiber-optic communications, deliver faster response times and more sophisticated diagnostic capabilities, while cost-effective remote annunciation solutions keep basic monitoring and control always within reach.

A simple EST3X network can comprise up to eight nodes — enough to serve the needs of most campuses and major buildings. Its ability to join an EST3X network with as many as 64 nodes extends EST3X's reach to mass notification applications, security reporting, as well as making it an ideal candidate for retrofit.

Business System Integration EST3X borrows much from its larger sibling, the venerable EST3 Life Safety Platform. And for good reason: by integrating with the EST3 networking and computing environment, an EST3X control panel can serve as a cost-effective remote node for office lighting, smoke control, or even mass notification functions — all within the same compliance framework. Retrofits and expansions benefit enormously from this arrangement, but programming and equipment management for new installations is equally

efficient as a result of these shared resources. EST3X will accommodate up to three EST3 modules on its own rail assembly, giving it access to such proven EST3 successes as zoned annunciations, conventional device circuits, modern communications, and RS-485 functions. Meanwhile, readers familiar with EST3 configuration and programming will fly through EST3X setup: the same connection ideas apply, as do diagnostics.

Power that goes the distance. Edwards' patented Voltage Boost™ technology delivers a consistent 22.5 V — even at low battery power. This means lighter gauge cables can be used for equivalent distances compared with conventional power supplies, or longer wire runs on the same gauge cable. Either way, this breakthrough technology saves time and equipment costs, making EST3X not only a high-performance solution — but a cost-effective one as well.

EST3X's four on-board Notification Appliance Circuits are fully synchronized to UL 1071 standards — without the need for external modules or other electronics. Its single 10 amp power supply is built to get the most out of Edwards' widely-acclaimed top profile Genesis notification appliances.

EST3X sets a new standard in non-panel life safety control interfaces, to exclusive Speed/Focus™ rotary control offers remote forward and back scrolling through events and options, while a mere tap of the control selects items with an unprecedented flurry of motion. Its extra-large backlit display reveals up to eight concurrent messages, and swivel/LED strips provide ample space for meaningful custom labels. For service technicians, the reflector is forged to offer convenient modular access to optional components, and for end users, large tactile control buttons with confidence and promote quick response when time is of the essence.

They will.

Facilities will benefit from a sophisticated system designed to function as a whole. That's because EST3X features control components and field devices engineered and manufactured by Edwards to the highest standards of interoperability.

Audio that speaks for itself EST3X features a full eight channels of integrated digital audio with up to two minutes of on-board programmable storage. Its optional paging microphone gives live access to local as well as remote audio functions. Auxiliary inputs are available for mass notification operators, and amplifiers may be mounted directly on the EST3X rail assembly.

Economical annunciation Up to 80 Genesis LCD, LED annunciators and driver interface cards may be configured for each node on the EST3X network. No additional nodes are required for annunciation purposes. EST3X also supports EST3 network annunciators, while available driver interface cards provide cost-effective graphic annunciation solutions.

Detection you can count on Designed for EST3X systems, Signature Series intelligent detectors boast diagnostic routines so accurate that a ground fault can be prioritized down to the location of a single module address, and self-testing so reliable that routine sensitivity calibration is not required for NFPA compliance. With automatic daylight sensitivity adjustment, field-replaceable smoke chambers, and modular CO sensors — Signature Series adds high performance detection to EST3X's incorporate processing power.

Small signals, big splash EST3X's Genesis notification appliances represent the next in emergency signaling with looks and features ideal for life safety and mass notification applications. Field-configurable wall strikes, horns, and chimes about the size of a deck of playing cards offer a discreet alternative to bulky devices, while speakers and ceiling models with clear mounting lines blend inconspicuously with any surrounding.

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