



ETHERNET EXTENSION EXPERTS

THE SEMINAL CREATORS OF ETHERNET & POE EXTENSION



Professional Grade Ethernet Extenders & PoE Extenders



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(888) 309-0910
<https://enableit.com>

PROFESSIONAL GRADE ★ BUSINESS RELIABILITY ★ EXPERT DESIGN AND SUPPORT ★ LIFETIME WARRANTY



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Enable-IT Elevator and Lift Communications Solutions Delivering Long Distance Secure Ethernet LAN and Power Over Ethernet (PoE) Deployment



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New Global Safety Standards

The global elevator manufacturing industry has always been at the forefront of innovation and technology.

With the increasing demand for more advanced and safe transportation solutions, the elevator manufacturing industry has continuously evolved to meet the needs of the market.

- ▶ 2019 ASME A17.1 CSA B44:19 code – the design, construction, installation, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances in North America.
- ▶ ISO/TR 8100-24:2016(en) Safety requirements for lifts (elevators).
- ▶ European BS EN 81-20:2020 & EN-51 codes – design, construction, installation, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances in Europe.

We understand the challenges Elevator Manufacturing companies face in meeting these new requirements, including: The new design, construction, installation, operation, inspection, testing, maintenance, alteration, and repair of elevators, escalators and related conveyances.

KEY BENEFITS

• Ease of Deployment

Plug and Go for any LAN or PoE deployment up to 4km*

• Waterproof IP68 Options

All models have an IP68 rated ruggedized enclosure option

• Secure Communications

AES 256bit Encryption end - end

• High power PoE up to 150W

56V ~ 58V DC up to 1.2km

• High Speed Performance

Gigabit full wire throughput

• Cost effective Alternative

Leverage existing wire & coax

Fiber does not deliver power

Wireless is insecure and restrictive

Eliminate need for electricians

Integrates with existing technology for communications and infotainment systems

• Custom OEM Integration Available

We can provide your team with custom options to enhance your existing or new elevator solutions



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KEY FEATURES

- Drive transparent Ethernet data over 9,000 feet or 2,743 meters connecting any type of LAN devices.
- We leverage high throughput telecom signals over any wire – including coax, barbed wire fence, etc. Typically 1 pair wiring and up to 4 pair wiring for PoE distance.
- Plug and Go for any LAN or PoE deployment up to 4km depending on solution used.
- Installs in minutes- have your elevator cabs LAN or PoE Enabled devices up in minutes.
- Small form factor, versatile functionality allowing for deployment anywhere. We also have custom OEM modules to integrate into your products.
- Professional, business grade products wholly designed and Made in the USA.



Enable-IT Products take the pain and cost out of upgrading existing elevator cabs

EASE AND RELIABILITY

Implementation efforts for leveraging existing or new secure hardware infrastructure is always preferred due to reliability, performance and higher tamper resistance.

Implementing insecure wireless components presents many challenges for the elevator and lift industry due to many issues such as simple WiFi hacking, signal propagation is terrible in concrete structures, cost of changing WiFi technology, need for additional costs installing power outlets for WiFi and other sensors - creating more points of failure.

It is very important to know how best to extend your existing network in a elevator or building environment. We highly recommend reading this [link](#) to understand the risks of wireless and security of hardwired LANs.

There are **Ethernet Extender Solutions available that can extend this distance limit to 9,000 feet or 2,743 meters.**

The benefit of buying an Ethernet Extender from Enable-IT is that our superior equipment leverages high throughput telecom signals over any wire – including coax, elevator tethers, powered cabling, barbed wire fence, etc. Enabling distances unheard of in the industry and taller than any building in existence or planned.



ENABLE-IT

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Electrical Outlet Free Installation

By leveraging our Power Over Ethernet - PoE Extender Solutions you can avoid the costly needs for an electrician to install outlets. Especially in remote outdoor or difficult locations. Our PoE Solutions are ideal solution to install your IP surveillance cameras, WiFi access points, IP Access Controls, VoIP phones and other PoE devices where you need to and not where you are limited to by IEEE 802.3 LAN distance restrictions.

PoE can also be used to enable and deploy LED lighting as is efficient in keeping solar DC power battery stored and distributed without AC conversion.

You would think Wi-Fi or fiber might be an option, but nothing beats the real security, stability and reliability of hard wired Ethernet cabling. It is also true as all fiber and WiFi always go back to copper Ethernet regardless.....

Some of our Diverse Industry customers include the US, UK and Canadian Military; NASA; Aerospace manufacturers; **Nautical Infrastructure** (Marinas, Mega Yachts, Cruise Ships, Port facilities, US Nuke sub fleet, etc); **Video Surveillance and Security Specialists**; Advanced **Telecommunications companies**; **Extreme Mining Operators**; Global **Construction Enterprises**; Commercial **Agriculture companies**; major **Healthcare providers**; Live **Entertainment, Broadcasting, and News agencies**; Extreme **Retail/POS organizations**; Long-Distance **Education Companies**; International **Hospitality Companies**; **Elevator manufacturers**, digital signage and much more.

Elevator Manufacturer Customers

24hr Elevator

Colorado Custom Elevator & Lift

Rath-Janus / Avire – Halma

Automatisation JRT

KONE Elevator and Escalator

Modular Elevator Mfg

Mitsubishi Electric US

Schindler Elevator Corporation

Stanley Elevator Company

Phoenix Elevator

Schumacher Elevator

Delta Elevator Company

ThyssenKrupp Elevator (TKE)

Electronic Door Lift

GA Elevator

Southern Elevator Company

OTIS Elevator

Specialized Elevator

Garaventa Lift North America

National Elevator Cab & Door

Phillips Farms Elevator

SouthWest Elevators

Precision Elevator Corporation



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Advanced Replacement Policy

Enable-IT is pleased to offer its customers and partners the Enable-IT Advanced Replacement Program (AREP) as a continuation of our commitment to providing exceptional customer service and support.

Currently all Enable-IT products come with an industry dominating 4 year standard warranty and now the option to further protect a customer's investment and provide simple peace of mind through a Next Business Day Delivery replacement product.

No other manufacturer in our industry can stand behind their products or services as well as Enable-IT does bar none.



Leverage Existing Wiring

Enable IT devices deliver unrivaled power and bandwidth over extreme lengths leveraging any 1-pair wiring enabling a dependable connection to IP cameras and other remote network devices. There are many benefits to be able to leverage existing copper wiring, especially the abundance of common coax and telephone wiring.

You don't always need to waste your money on installing Category rated wiring if you do not need to. Believe it or not – Enable-IT Supreme Engineering has built custom Long Distance Ethernet Extender solutions that use only 1 physical wire. No One on the Planet has figured out how to do that!

Significant Cost Savings

Another set of key benefits in the use of Industrial Ethernet Extender Solutions are centered around the significant cost savings over traditional methods such as the use of multiple AC powered Ethernet switches and expensive fiber or insecure wireless solutions.

Using multiple daisy-chained Ethernet Switches adds performance delays, more points of failure and the cost of installing AC outlet and supporting infrastructure every 328 feet. Enable-IT branded Ethernet Extender solution drastically reduce those costs, points of failure and installation/support costs.

Contact any of our team members to learn more or schedule a engineering call if interested in integration off the shelf solutions or highly integrated chipsets for your infrastructure components.

email: support@enableit.com



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