

ETHERNET EXTENSION EXPERTS

THE SEMINAL CREATORS OF ETHERNET & POE EXTENSION



Professional Grade Ethernet Extenders & PoE Extenders





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



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

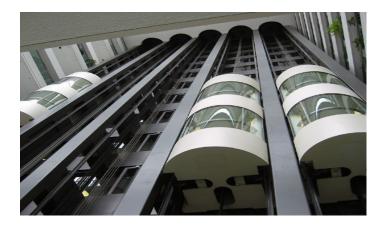
We can provide your team with custom options to enhance your existing or new elevator solutions





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 RELIBILITY

Implementation efforts for leveraging existing or new secure hardwire 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 Iink 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.

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......

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**

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.





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 of 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





