

WHY ETHERWAN?

Designed from scratch, then tested and manufactured in-house, our products are purpose-built for ITS applications to provide you with high quality connectivity solutions.



UNIQUE SIZING

When it comes to ITS, size matters. Traffic cabinet space is a common concern, so EtherWAN offers unique-sized switches that fit your application. Products like the EX77964 have a reduced depth to fit into tight cabinets, with no compromise on performance - even at 10Gbps speeds.

HIGH BANDWIDTH

Innovations in technology, growing populations, and decreasing availability of space mean municipalities are continuously working to keep transportation systems flowing. More sophisticated networks, with more devices require higher bandwidth. Our 10G products provide outstanding flexibility and support for future expansions, exceeding your needs both today and tomorrow.



EX78900X
10G PoE Switch



BRACKETRY EtherWAN offers a variety of bracketry options fitted for standard NEMA and 332 traffic cabinets to ensure your switches are safely secured in any space available:

- Z-shape brackets, like the KR-BKZDIN, and L-shape brackets, like the KR-BK779, take advantage of unused space in the front of your cabinets

SOLUTIONS WE SUPPORT

HIGHWAYS We offer long-range PoE solutions and high bandwidth to support a variety of devices including cameras, Variable Messaging Signs (VMS), car counters, travel time nodes, and ramp meters.

INTERSECTIONS Our switches are designed for environments like traffic cabinets, providing fast network performance and communication between traffic signals and the TMC. Our high-bandwidth solutions offer cities uncompromised performance for upcoming connected vehicle needs, as well as newer HD cameras.

WAYSIDE EtherWAN's EN 50121-4 certified products are purpose built for wayside applications, including mass transit stations, with the ability to perform in high EMI and high vibration environments.

PARKING Interconnected parking systems across street parking, surface lots and structures can be made more cost effective through ease of enforcement. By implementing the appropriate communication infrastructure, we can help you better manage traffic and exceed your parking needs.

BRIDGES/TUNNELS Communication infrastructure in hard-to-reach and high-vibration areas pose even tougher challenges for reliable networking. With the toughest and longest range PoE solutions, EtherWAN will keep your critical network of PoE devices reliably connected.



US HEADQUARTERS

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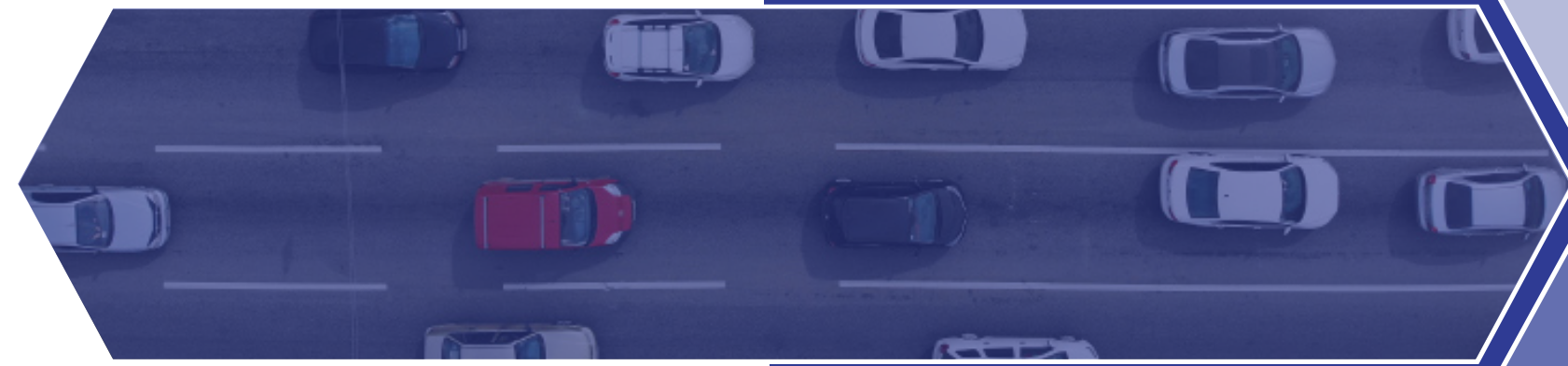
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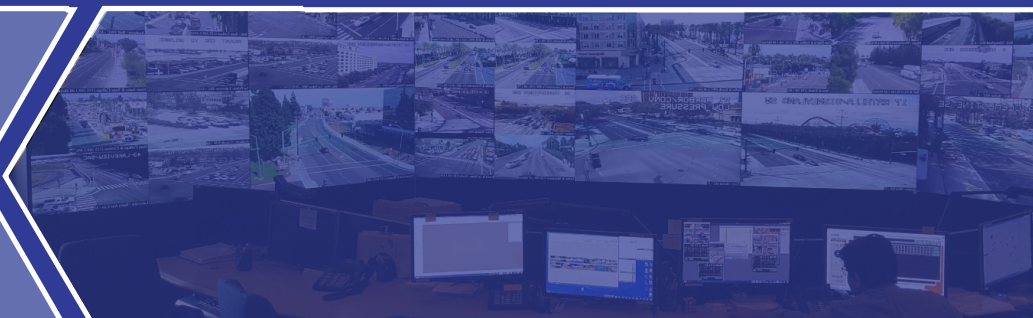
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Transportation Solutions for Municipalities
ITS NETWORK SOLUTIONS



EtherWAN.com
714.779.3800



YOUR PROJECT, OUR EXPERTISE

ITS FOCUSED SINCE 1996.

EtherWAN's expertise in transportation runs deep. Original 1990's EtherWAN switches are still in use in ITS networks today, which is proof of both our engineering excellence and customer commitment. EtherWAN achieves an unparalleled level of reliability and quality for your mission-critical infrastructures. From traffic intersections to railway systems, we have the right networking solution for nearly any communications challenge your transportation infrastructure may face.



CERTIFICATIONS

Our switches are NEMA TS2 certified for integration in traffic systems. Additional products have certifications like EN 50121-4 for Railway Applications.



NETWORK SUPPORT

Let our certified Network Engineers provide help with troubleshooting, network audits, or personalized network design to develop the organization and security of your network.



TAILORED TRAINING

EtherWAN offers ITS network and product-focused courses, available both online and in-person. Earn IMSA CEC's and easily apply your learning in the field with our personalized, industry-specific material for real world applications.



LIFETIME WARRANTY

By registering your hardened EtherWAN products, you will receive complimentary tech support, and stay up to date with Product Updates (ECN) and End of Life Notices (EOL) for the entirety of the product's life.

Many ITS projects have a variety of vendors and consultants to keep organized. Our 6-step process simplifies your project with involvement designed to fit into your plans and help you stay on track.

HELPING YOU STAY ON TRACK



1 | INITIATION

Our involvement begins once a project or problem is identified. We provide a comprehensive network audit of your current communications infrastructure to gather market intel and ensure that we have all the information needed to quickly deliver the solutions your project needs.



2 | PLANNING

In the planning stage we provide network design recommendations and assist with technology selection. Our certified Network Engineers create personalized network designs that best fit your city's needs, taking into account their findings from the audit and the need for supporting new upcoming ITS technologies.



3 | SECURITY

Integrity is paramount in ITS networking; we work with our clients to recommend best practices for physical & network security, as well as operating policy recommendations that are hand-tailored on a project-by-project basis to fit the specific needs of our customers.



4 | EXECUTION

To take the project from a plan to a realized network, we assist you with project implementation and configuration. Our in-house developed Municipal Integrated Network Tool (MINT) configures the entire network IP scheme and correlates it to each intersection and cabinet number. It then determines optimized VLANs and Ports and gives you a comprehensive network outline for future reference. Finally, MINT creates the configuration files for all new and old switches, saving you time, money and preventing human error.



5 | TRAINING

We offer in-person and online ITS network trainings with practical demos and real-life examples to help you apply what you've learned in the field.



6 | MAINTENANCE

After establishing your communications network, it's important to ensure it is maintained. For smaller cities we offer a Network Management Utility called eVue to simplify ongoing maintenance. For larger cities, we have partnered with Solarwinds who provides comprehensive network and device monitoring software.

FEATURED PRODUCTS FOR ITS

We know that your ITS applications require various-sized switches and support for expanding networks. With features like 10G SFP ports and PoE watchdog, our solutions for ITS are built to support the health of your network both today and tomorrow.

EG97000

28 Port Hardened Managed Layer 3 Switch



- 16 x 100/1000M dual-rate SFP ports for multiple fiber connections
- 4 x 1/10G dual-rate SFP+ ports for connections into the hub/core
- Layer 3 features allow for IP unicast/multicast routing, and switching across VLANs and subnetworks

EX77964

Hardened Managed 24-Port Gigabit + 4-Port 1G/10G SFP+ Switch



- 16 10/100/1000BASE-T(X) + 8 100/1000BASE SFP Combo ports provide flexible and high bandwidth connectivity for aggregation
- 4 dual-rate 1G/10G SFP+ ports for connecting to the core
- 10" case depth fits into tight traffic cabinets

EWAV Series

Hardened IP67 Outdoor Wireless Bridge Subscriber Unit



- IEEE 802.11a/n/ac protocol providing high throughput data transmission on 5GHz up to 866Mbps
- Connections up to 20 miles apart, perfect for intersections that don't have fiber or copper
- Wide temperature operation range for extreme environments

E-Series

Hardened Managed 10 to 16 Port Gigabit PoE Switch



EX78900E(PoE)/Ex73900E

- 8 or 12 10/100/1000BASE-T(X) ports for high bandwidth connections
- Up to 4 dual-rate 100/1000BASE SFP uplink ports for fiber connections
- Lite Layer 3 features including static routing, RIP v1/v2, and OSPF support

X-Series

Hardened Managed 10 to 16 Port Gigabit Ethernet Switch



EX78900X(PoE)/Ex73900X

- 8 or 12 10/100/1000BASE-T(X) ports for high bandwidth connections
- Up to 4 dual-rate 100/1000BASE SFP uplink ports for fiber connections
- Supports high bandwidth connections such as PTZ cameras with 10G speeds - the highest speed available in a DIN-Rail form factor

ED3575

Hardened Managed Ethernet Switch/Extender



- Dual VDSL2 ports provide Ethernet extension of 100Mbps at up to 980 ft using existing copper pair infrastructure
- 6 Fast Ethernet ports for connectivity at the edge
- 2 combo SFP ports allow for future fiber infrastructure upgrades without the need to change the equipment