Smart connectivity for Electronic Toll Collection

B+B SMARTWORX

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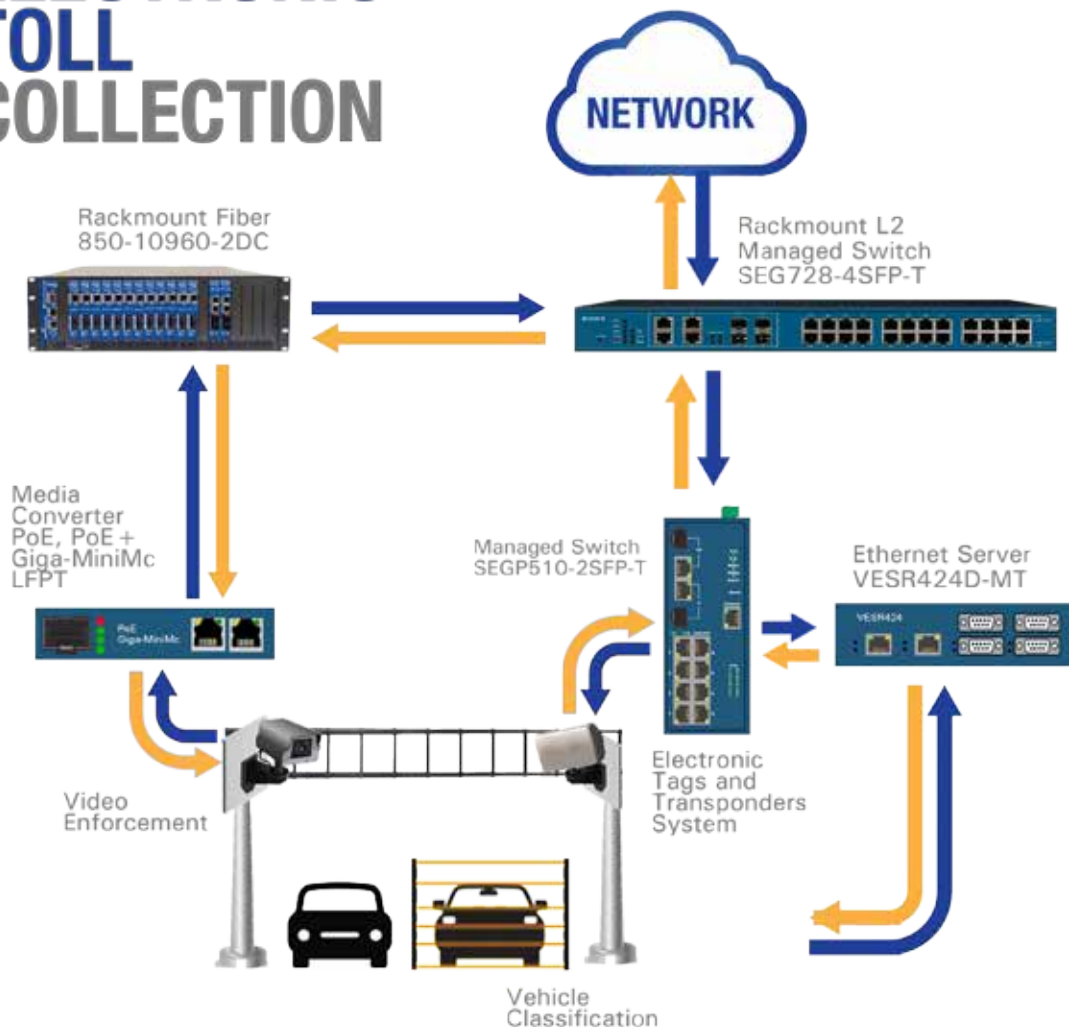
Intelligence at the Network Edge

INTELLIGENT INFRASTRUCTURE FOR ELECTRONC TOLLING

Reliable, industrial hardened products working together in Intelligent Infrastructure

An Advantech B+B SmartWorx customer needed an electronic toll collection system that could stand up to difficult environmental conditions while simultaneously collecting the tolls, monitoring violations and collecting the vehicle information needed to support accurate enforcement. It would need to incorporate speed cameras, red light cameras, vehicle identification equipment and many other systems. It would need to unite disparate data networking interfaces and protocols in an a single, seamless network, bridging the gaps between a wide variety of data networking technologies.

With its full portfolio of data networking products, Advantech B+B SmartWorx was able to provide a complete solution.

Managed Hardened Switch
SEGP510-2SFP-T

These fully managed Gigabit Ethernet switches aggregate the data from electronic toll systems. With industrial, ruggedized specifications, they provide all of the basic functions you expect in a managed switch, such as VLAN, IGMP Snooping, Network Redundancy, SNMP V1,V2c,V3, Web and Telnet support. These switches support comprehensive network features such as SSH, HTTPS/SSL, TLS, TTLS, PEAP and Radius. Additionally, they include XM™, the industry leading cross management technology. IXM™ features an auto synchronization function to make deployment of multiple switches quick and easy.

Rackmount L2 Managed Switch
SEG728-4SFP-T

The Advantech B+B SmartWorx SEG728-4SFP-T is an industrial-class, layer 2 full managed switch including 24 Gigabit ports and 4 Gigabit combo ports. It is designed for rack-mount installation and provides PoE power to connected devices. It integrates Layer 2 switching software and Advantech IXM software, allowing for mass configuration of connected switches.

Ethernet/Serial Server
VESR424

Advantech B+B SmartWorx Vlinx™ VESR424 series Serial Servers connect serial devices (RS-232, RS-422 or RS-485) to Ethernet networks, allowing the serial device to become a node on the network. Serial ports can be accessed over a LAN/WAN using Direct IP Mode, Virtual COM Port, or Paired Mode connections.

Copper/Fiber Media Converter
PoE PoE+ Giga MiniMc LFPT

The Advantech B+B SmartWorx PoE and PoE+Giga-MiniMc/LFPT is a low-cost, compact, multi-port media converter that supports both PoE and PoE+ standards. It features two 10/100/1000Base-T copper UTP ports and one SFP uplink port that supports either a copper or fiber SFP.

Fiber Chassis
iMediaChassis/20 Model 850-10960-2DC

The Advantech B+B SmartWorx iMediaChassis/20 is an intelligent, carrier-class optical access platform. It supports modules that convert Ethernet to fiber and a variety of other telco networking technologies, including VDSL, T1/E1, DS3/E3/STS-1 and WD.

+ GLOBAL REACH
FOR GLOBAL SUPPORT

You build your business and we will build
your communication solution. Whether you
need standard products or require special
designs for specific applications – Advantech
B+B SmartWorx can help.

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