

# Smart connectivity for Traveler Information Systems



**B+B SMARTWORX**

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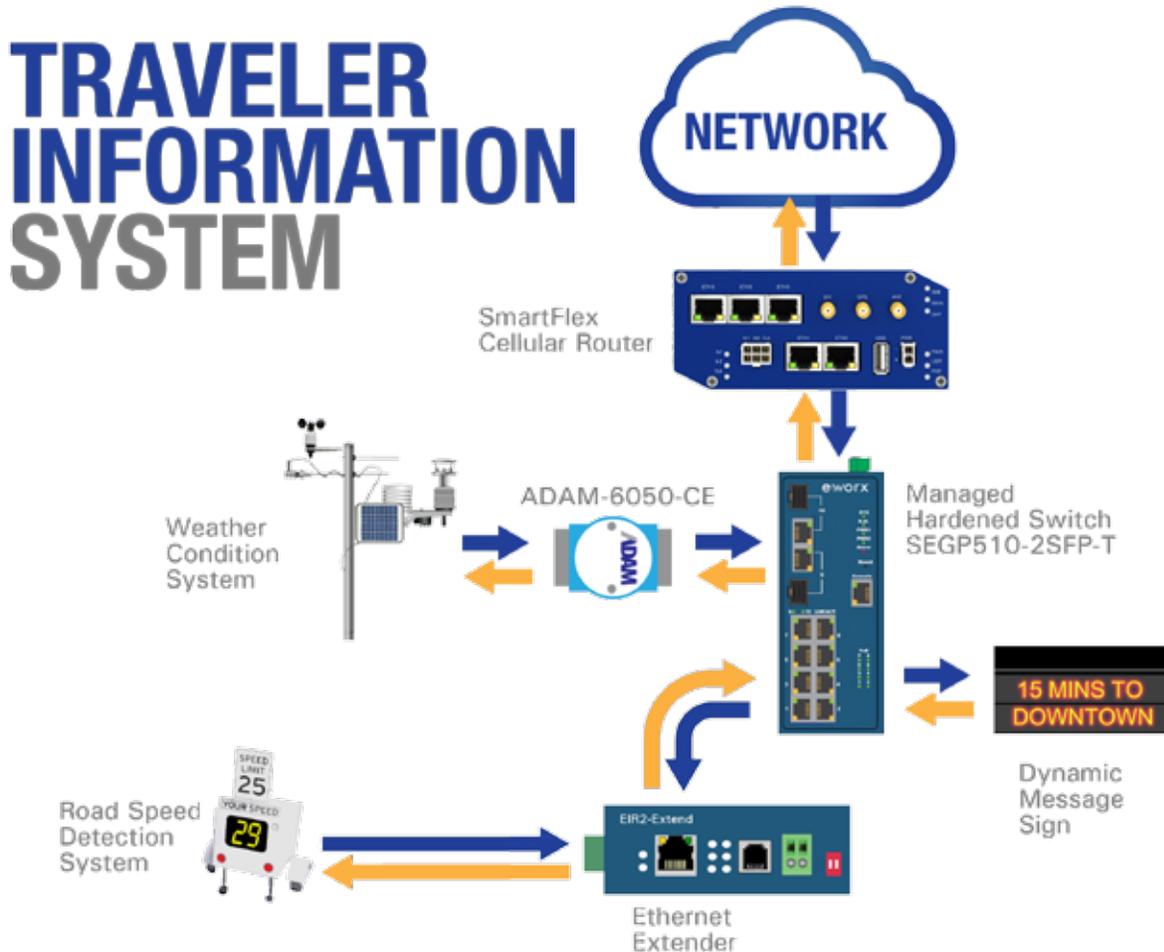
Intelligence at the Network Edge

# INTELLIGENT INFRASTRUCTURE FOR TRAVELER INFORMATION

Reliable, industrial hardened products working together to create complete solutions

An Advantech B+B SmartWorx customer needed a traveler information system that could stand up to difficult environmental conditions while simultaneously providing travelers with timely information regarding factors like variable speed limits, incident detection and traffic alerts, road conditions and weather status. It would have to incorporate dynamic messaging signage, exit signal controls, roadside weather stations 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.



## Ethernet Extender EIR2-EXTEND

The Advantech B+B SmartWorx EIR2-EXTEND is perfect for connecting remote devices like speed tracking installations. The EIR2-EXTEND extends copper Ethernet connections up to 2200 meters (7218 feet) over any twisted copper pair. It can even make use of legacy cabling that is already in place. It fully complies with IEEE 802.3 10BaseT and IEEE 802.3u 100BaseTX standards.



## Managed Gigabit Switch SEGP510-2SFP-T

The Advantech B+B SmartWorx SEGP510-2SFP-T is a fully managed PoE+ Gigabit Ethernet switch with industrial, ruggedized features designed to work in harsh environment applications. This switch offers all of the basic management features that you would expect in a managed switch, such as VLAN, IGMP Snooping, Network Redundancy, SNMP V1,V2c,V3, Web and Telnet support. Smart PoE Management features support advanced PoE settings and monitoring. Additionally, these switches support comprehensive network security features such as SSH, HTTPS/SSL, TLS, TTLS, PEAP and Radius. These switches also feature IXM™ cross management technology with an auto synchronization function to make deployment of multiple switches quick and easy..



## 18-ch Isolated Digital I/O Modbus TCP Module ADAM-6050-CE

The Advantech B+B SmartWorx ADAM-6000 simplifies the integration of automation and enterprise systems. Users don't need to change the architecture of the control system. ADAM-6000 modules are equipped with peer-to-peer (P2P) and Graphic Condition Logic (GCL), and can perform as standalone products for measurement, control and automation. They eliminate the need for additional controllers or programming, and system configurations can be done quickly with the easy-to-use and intuitive graphic utility.

## Smart , Secure Cellular Routers

Advantech B+B SmartWorx SmartFlex routers are configured to meet your needs. The standard configuration includes two Ethernet 10/100 ports, one USB 2.0 Host port, two binary inputs and one output (I/O connector). The device also has twin readers for 3 V and 1.8 V SIM cards and a microSD card port.

SmartFlex can also be configured with a wide variety of expansion port options. These can be three switched Ethernet ports, an RS-232 port, or even a combination of galvanically separated RS-232 and RS-485 ports.

Configuration may be done via a password-protected Web interface. The router supports the creation of VPN tunnels using IPsec, OpenVPN and L2TP.



## **+** 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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