

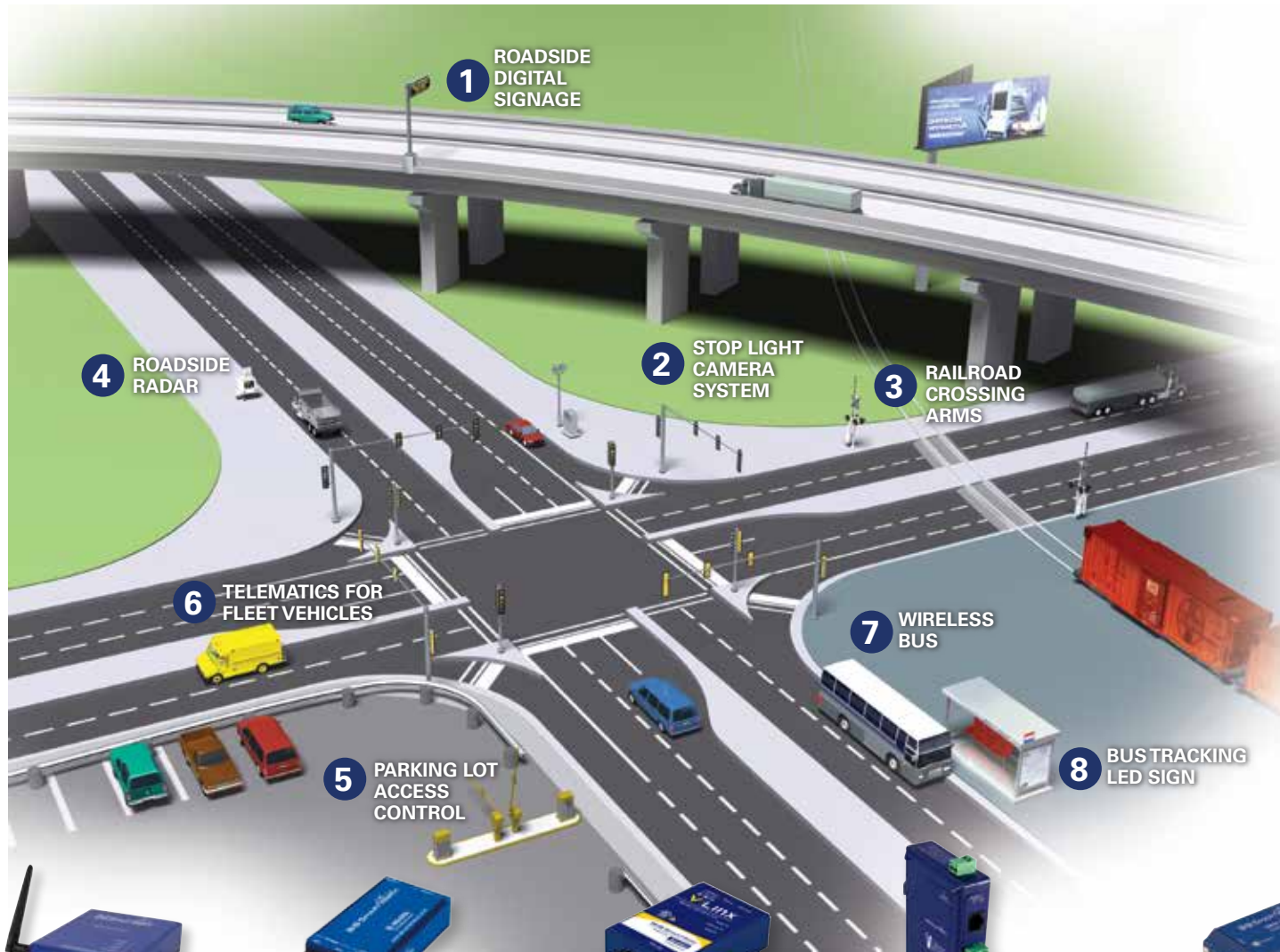
INTELLIGENT TRANSPORTATION SYSTEMS

START WITH RELIABLE DATA AND NETWORK COMMUNICATIONS

B+B SMARTWORX

Powered by

ADVANTECH



Transportation is still the lifeblood of modern commerce – nobody gets paid until the goods are delivered or people make it to work. Data and network communication solutions from Advantech B+B are at the heart of greater efficiency in data-driven transportation applications. From signaling systems, digital signage, toll management and smart parking to trackside management, telematics to remote mobile asset management, Advantech B+B brings focused solutions to intelligent transportation.

Advantech B+B offers M2M (machine-to-machine) transportation solutions for trouble-free connectivity and data communications:

- NEMA TS1/TS2 rated products
- Cellular routers
- Wireless radio modems and remote I/O
- WiFi routers, bridges, serial servers, embedded modules, access points
- Telematics fleet management
- Ethernet switches, routers, extenders
- Ethernet serial servers, gateways
- Ethernet media converters, chassis products
- Serial converters, repeaters, isolators, surge protectors, cards
- USB converters, hubs, isolators, surge protectors
- Turnkey and custom engineered solutions



1
ROADSIDE DIGITAL SIGNAGE
 Industrial Wireless Ethernet Bridge
 Model# ABDN-ER-IN5018



2
RED LIGHT CAMERA CONTROL
 Mini Copper-to-Fiber Converter (copper extension)
 Model# IE-MiniMc



3 4
RAILROAD CROSSING SYSTEM & ROADSIDE SPEED RADAR
 Ethernet Mini Serial Server
 Model# VESP211



5
PARKING LOT CONTROL
 Ethernet Serial Server
 Model# VESR901



6
VEHICLE/FLEET TELEMATICS
 Telematics OBDII Streamer
 Model# LDVDSB2-SV



7 8
BUS INFORMATION SYSTEM
 Cellular Router
 Model# Spectre LTE & 3G series

INTELLIGENT TRANSPORTATION SYSTEMS...

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INDUSTRIAL WIRELESS ETHERNET BRIDGES

- 802.11a/b/g/n (2.4, 5 GHz)
- One or two serial ports, one Ethernet 10/100 port
- Advanced Enterprise class wireless security
- 2 kV serial ESD surge suppression
- 5-36 VDC variable power supply, PoE 802.3af
- -40 to +85°C extended operating temperature
- AirborneM2M SpeedLink connection reliability



INDUSTRIAL 10/100 MINI MEDIA CONVERTERS

- NEMA TS2 (select models); IEEE 802.3af compliant
- Extended temperature
- DC and AC powering options
- Unmanaged, Plug-n-Play
- Available in 10/100 and 10/100/1000Mbps
- PNP, auto-negotiation, auto-cross (twisted pair cable)



ETHERNET MINI SERIAL SERVERS

- UL 60950, 61000-6-2 EMC Level 3
- Ultra compact design fits in tight installations
- IEEE802.3u 10/100BaseT, auto-detecting
- RS-232, RS-422/485, and RS-232/422/485 models
- -40 to 80°C extended operating temperature
- Wide 10-30 VDC voltage input
- IP30 metal enclosure



CELLULAR ROUTERS

- 3G: HSPA+/UMTS/CDMA/EDGE/GPRS
- 3G: 14.4 Mbps download, 5.5 Mbps upload
- 4G: LTE, EVDO, CDMA, UMTS, GSM
- 4G: 100Mbps download, 50 Mbps upload
- 10/100 Ethernet, 802.11b/g/n, Modbus, WiFi option
- VPN: IPsec, OpenVPN, PPTP, L2TP, EasyVPN, GRE
- DHCP, NAT/PAT/NAT-T, VRRP, DynDNS, VLAN, SMS, NTP
- Security: HTTPS, SSH, Firewall functions



ETHERNET SERIAL SERVERS

- NEMA TS 2 options; UL Class 1/Division 2
- Ethernet enable serial devices; web management
- Direct IP, virtual COM port, or paired mode
- Ethernet pass-through port available
- Serial DB9 or TB, copper, fiber port options
- -40 to 80°C extended operating temperature
- 10-58 wide power range



TELEMATICS OBDII STREAMER

- OBDII vehicle interface systems
- Tap into onboard diagnostics for fleet management
- Enhance efficiencies, cut expenses
- SAE-J1850VPW, SAE-J1850PVM, SAE-J2284
- ISO15765-CAN, ISO9141-2, ISO14230-4KWP2000
- 1996 and newer vehicles sold in USA

Advantech B+B's technology is found throughout modern transportation systems. Advantech B+B supplies a complete line of connectivity solutions, interface products, and essential components to monitor, control and protect your transportation communication installation.



TOLLBOOTHS



TRAFFIC CONTROL, LIGHTS & CAMERAS



PARKING CONTROL



FLEET MANAGEMENT



WEIGH STATIONS



SUBWAY SYSTEMS



RAILWAYS



AIR TRAFFIC CONTROL

B+B SMARTWORX

Powered by **ADVANTECH**

Worldwide Headquarters

ADVANTECH
No. 1, Alley20, Lane26, Rueiguang Road
Neihu District, Taipei 11491
Taiwan, R.O.C
Phone: 0800-777-111
www.advantech.com

Corporate Headquarters

707 Dayton Road
Ottawa, IL 61350 USA
Phone: 1-815-433-5100
Fax: 1-815-433-5109
orders@advantech-bb.com
www.advantech-bb.com

Middle East, UAE, Africa

Alaa Dalghan, General Manager
adalghan@advantech-bb.com
Mobile: +971 50 943 65 62
AG Silver Tower, JLT, P.O. Box 48777
Dubai, UAE

European Headquarters

Oranmore, Co. Galway, Ireland
Phone: +353 91 792444
Fax: +353 91 792445
eSales@advantech-bb.com

Cellular Product Group

Sokolská 71, 562 04 Ústí nad Orlicí III.
Czech Republic
Phone: +420 465 521 020
Fax: +420 464 647 299
GSM: +420 603 872 287
cellularsales@advantech-bb.com

Latin America, Caribbean

Fanny Scargle
fscargle@www.advantech-bb.com
Phone: 1-727-797-0300
Cell: 1-727-480-5920 Skype: fscargle

OEM & Product Modification

Phone: 815-433-5222
Fax: 815-433-5104
Attn: Custom Dept.
custom@advantech-bb.com
Custom Quote Request Form:
http://advantech-bb.com/custom

www.advantech-bb.com