

FIRST RESPONDERS - DATA COMMUNICATION SOLUTIONS

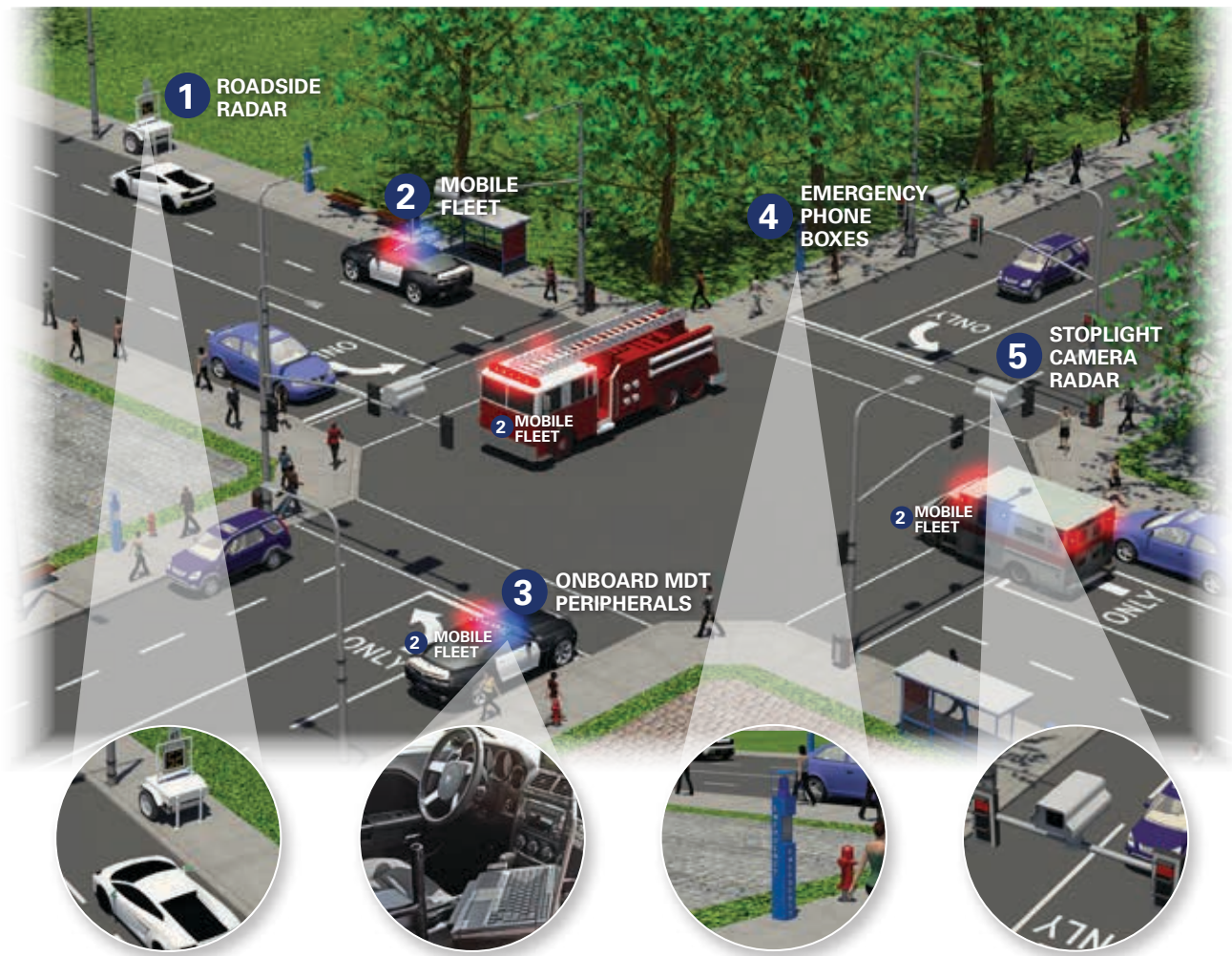
Data technology solutions have become some of a first responder's most valuable tools. Yet, these service agencies are suffering manpower shortages at the same time the public is demanding faster and faster response times. So, agencies around the globe are thinking smarter in today's fast moving world as the ability to manage data and prioritize service calls becomes critical, even life saving.

Emergency response vehicles are "offices on wheels." Mobile Data Terminals ("MDTs") play an important role in response times. They are used to communicate with central dispatch stations, hospitals and other responder agencies. Supervisors can readily locate addresses via GPS/GEO mapping, dispatch personnel and teams and track assets during critical events.

Rugged, reliable and extended reach solutions from B+B SmartWorx are at the heart of a growing number of first responder applications. B+B offers wired and wireless solutions connecting devices anywhere - from indoor offices to remote mobile fleets - protecting people and property 24/7/365.

Designing and manufacturing data connectivity products since 1981, B+B SmartWorx is your one-stop source for first responder and public safety solutions:

- Wireless cellular routers, radio modems, I/O
- Wi-Fi access points, routers, bridges, serial servers, modules
- Ethernet media converters
- Ethernet serial servers and gateways
- Ethernet switches, routers, extenders
- USB converters, isolators, hubs, extenders
- Serial converters, isolators, repeaters, surge protectors, cards



1 2 **ROADSIDE RADAR & MOBILE FLEET VEHICLES**
Cellular Router
Model# Spectre 3G series



3 **MOBILE DATA "MDT" TERMINAL PERIPHERALS**
USB Isolated Hub
Model# UHR304



4 **EMERGENCY PHONE BOX SYSTEM**
Managed Modular Media Converter
Model# IE-iMcV-T1-Mux/4+Ethernet



5 **STOP LIGHT CAMERA/ PHOTO RADAR**
Mini Copper-to-Fiber Converter (copper extension)
Model# IE-MiniMc

DATA COMMUNICATION SOLUTIONS FOR FIRST RESPONDERS & PUBLIC SAFETY



SPECTRE CELLULAR ROUTERS

- 3G: HSPA+/UMTS/CDMA/EDGE/GPRS
- 3G: 14.4 Mbps download, 5.5 Mbps upload
- 4G: LTE, EVDO, CDMA, UMTS, GSM
- 4G: 100 Mbps 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

Mobile fleet communications & roadside radar using Spectre™ RT3G -300 series



(Spectre LTE 4G option)



Connecting peripherals to MDTs using Model UHR304

USB HUBS

- High retention USB connectors
- Level 4 ESD protection – 15kV
- 4 kV isolation options
- Rugged case – panel, DIN rail mount options
- Wide operating temperature (-40 to 80°C)
- USB2.0 full/12Mbps or high/480Mbps speed options



Emergency phone box systems (T1 circuits & switches) using Model IE-iMcV-T1-Mux/4+Ethernet

MANAGED, MODULAR MEDIA CONVERTERS

- Four independent T1 ports on RJ-48 connectors
- T1 ports can be remotely disabled by user
- AIS generation on signal loss on T1 and fiber
- Local and remote loopback functions
- Full bandwidth, 10/100BaseT Ethernet port: auto negotiation/forced modes, jumbo frames to 1916, user defined bandwidth limiting, Link Fault Pass-Through
- Dual SFP fiber ports with 1+1 protection switching



Camera/photo radar surveillance using Model IE-MiniMc

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)

Learn More!

Smart IoT: Mobile Management & Security for First Responders

Find out how Internet of Things technology gives firefighters, police and rescue personnel better data to make better, even life saving, decisions.

www.bb-smartworx.com/FirstResponders



B+B SmartWorx provides connectivity solutions for emergency personnel who depend on data communications and information to do their job. Knowing who needs help, where they're located, and what kind of aid is required helps personnel respond quickly and effectively.



POLICE/PATROL CARS



DISPATCH/COMMAND STATION



DISASTER RESPONSE



AMBULANCE/ PARAMEDICS



FIRETRUCKS



EMERGENCY PHONE SYSTEMS



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