

SmartStart™

Flexible, cost-effective LTE
for M2M applications

+ LTE CAT.1 AND CAT.4 ROUTERS



B+B SMARTWORX

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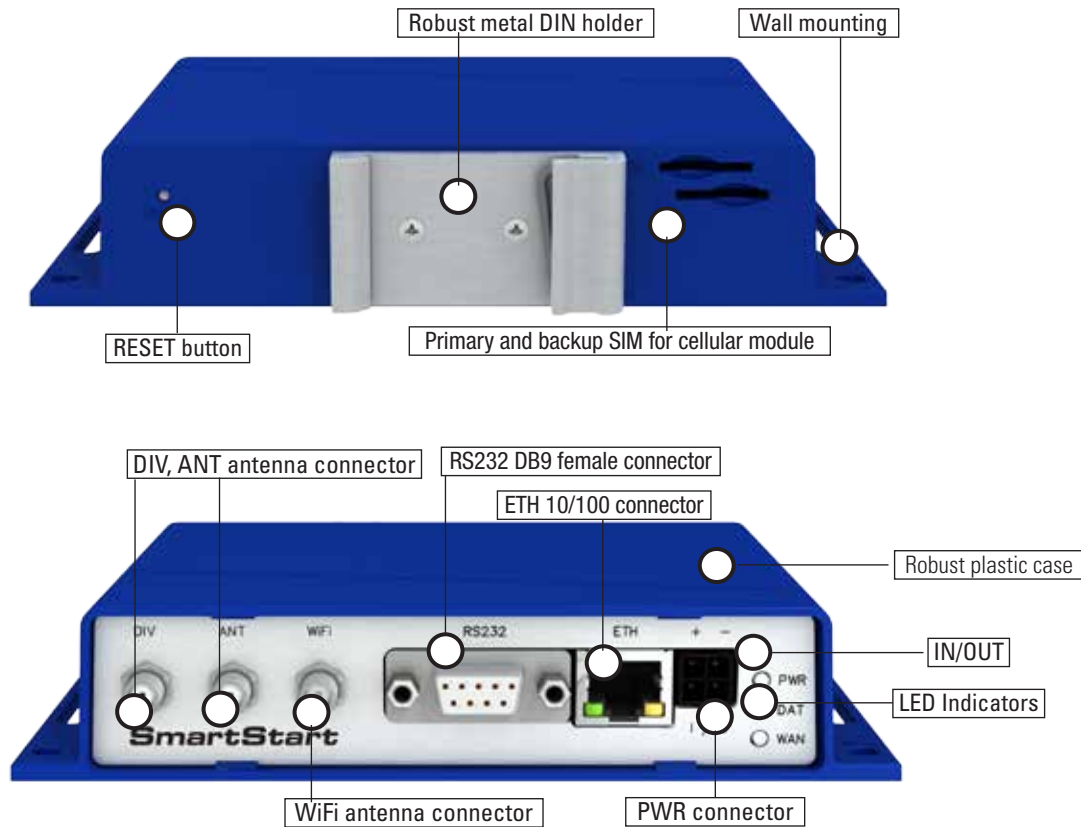
ADANTECH

Intelligence at the Network Edge

SmartStart™

FLEXIBLE, COST-EFFECTIVE LTE FOR M2M APPLICATIONS

SmartStart LTE Cat.1 and Cat.4 cellular routers connect Ethernet, Wi-Fi, RS-232 and I/O devices to a cellular network. Typical applications include remote installations like kiosks, signs, security cameras, point of sales equipment and lottery terminals.



- + For industrial IoT data applications.
- + Supported by most major carriers around the globe.
- + Power consumption similar to 2G devices. Optimized for solar and battery powered applications. Low Power Mode drops power consumption to 40 mW and can be triggered by timers, low voltage detection or I/O.
- + Automatic fallback to 2G or 3G in areas where LTE is not yet available.
- + Ethernet, Wi-Fi serial RS-232 and I/O for connecting a wide array of field assets with DIN rail or wall mounting.
- + Resilient wireless or wired connections.
- + Enhanced memory to host custom software applications and a wide variety of protocols.
- + Easy deployment, mass maintenance and troubleshooting with our SmartWorx Hub™ remote management and monitoring tools.

Intelligent

- + Download our User Modules for specialized functions. Use the router as an AT Modem Emulator, a Modbus RTU/TCP gateway and more.
- + 'Carrier agile': support for all North American carriers on a single device.
- + Open Linux SSDK with C,C++, Python and NodeRED support.
- + Create multiple software configurations for each router and switch between them at any time.
- + Upgrade router configuration and firmware from your central server, allowing for simultaneous mass reconfiguration of every router on the network.
- + Use a secure Web interface to configure and manage the SmartStart from remote locations.
- + Low power consumption mode for solar and battery power applications.

Powerful

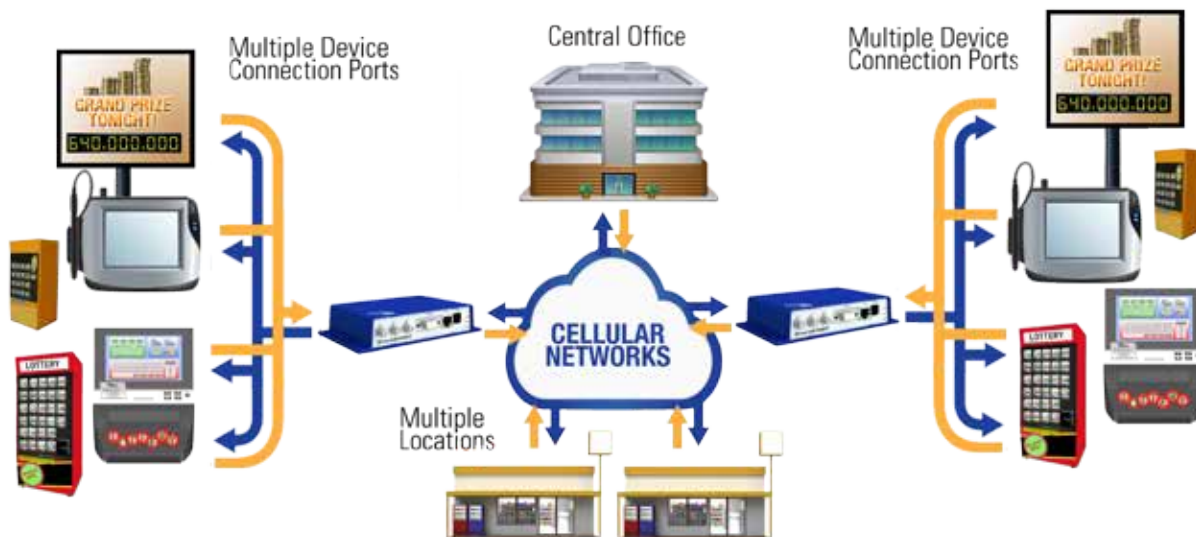
- + Full support for LTE
- + 256 MB flash memory, 512 MB RAM and 128kB M-RAM
- + Upload speeds of up to 50 Mbit/s and download speeds of up to 100 Mbit/s - easily handles video applications

Safe and Secure

- + Real time data encryption and the creation of VPN tunnels using IPsec, OpenVPN and L2TP.
- + Support for DHCP, NAT, NAT-T, DynDNS, NTP, VRRP, control by SMS, and numerous other functions.

Rugged and Reliable

- + Dual SIM card ports for automatic failover*
- + Designed and manufactured for use in tough environmental conditions
- + Extended operational temperature range from -40 °C to +75 °C
- + 9-39 VDC operation with transient and reverse polarity voltage protection
- + Industrial certifications



+ 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 – B+B SmartWorx can help.

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