



*Access via Cellular  
Channel Bonding*



*Standalone & Portable*



*Scalable, Flexible  
Configurations*



***SECURE, MOBILE BROADBAND -  
ANYWHERE, ANYTIME***

## KEY BENEFITS

- **Continuous Broadband Access** – anywhere, anytime
- **Standalone Solution** – no 3rd party server required
- **Flexible** – ad-hoc bandwidth capacity expansion
- **Durable** – meets military-grade standards
- **Portable** – ruggedized lightweight hand-carried suitcase
- **Affordable** – No dedicated network or infrastructure required



### **Cellular Channel Bonding / Load Balancing for Improved Data Connectivity**

CelliBoost delivers a practical solution for improved cellular data connectivity – by bonding cellular channels together and load balancing them to increase bandwidth. CelliBoost supports simultaneous bonding for up to four embedded 4G LTE / 3G cellular modems or other linkable interfaces (landline, satellite etc.) to deliver consistently high speeds and 100% uptime even in poorly covered zones.

### **Independent Solution Ideal for Sensitive Applications**

CelliBoost is a standalone solution that utilizes local cellular infrastructure. Video and graphic data are encrypted processed locally without the need to route through a 3<sup>rd</sup> party server, allowing the client to retain complete control of the data.

Data-intensive applications are mission critical for the field operations of homeland security, law enforcement and government agencies. In order to meet demanding operational requirements, data must be transmitted rapidly without requiring special infrastructure or dedicated radio networks.

CelliBoost is a standalone mobile broadband solution that has been proven effective in supporting multiple operational scenarios. Scalable, versatile and durable, CelliBoost utilizes the standard cellular infrastructure to offer a superior, cost-effective, high-volume data transfer solution for government, law enforcement and emergency services.



## KEY FEATURES

- Multiple WAN load balancing, bonding and failover
- Aggregate multiple wireless connections with bandwidth bonding
- HD video streaming over 4G/3G
- Automatic transfer to best available link
- Connections to LTE, 3G, Wi-Fi, DSL, cable, and/or satellite
- Bandwidth allowance control and reporting
- Up to four embedded LTE modems or embedded world-mode 3G modems
- MIMO support
- Built-in WLAN controller for AP (optional)
- Captive portal for hotspots
- Built-in GPS
- Local and remote management of connection and link quality

### **Scalable for Broader Range Requirements**

– Built on a modular concept, the solution offers ad-hoc capacity expansion for seamless scaling. The product aggregates multiple wired and wireless connections in a bandwidth bonding process that results in full scalability, faster speeds and improved performance.

### **Flexible Configurations**

– CelliBoost features a built-in firewall, Wi-Fi hotspot, configurable router and Internet port for the utmost in field flexibility. Fully field-proven, this mobile broadband independent communication solution enables stable and rapid traffic of high-capacity data in support of multiple operational requirements.

### **Ruggedized and Portable**

– CelliBoost's robust hardware is built to perform in even the harshest environments. Situated within a lightweight hand-carried suitcase or mounted in field vehicles, the product meets military-grade standards for durability and encryption.

# TECHNICAL SPECIFICATIONS

<b>Processor</b>	<ul style="list-style-type: none"> <li>Integrated Intel® Atom™ processor D2550 Dual Core 1.86 GHz</li> <li>2 x Gigabit Ethernet</li> </ul>
<b>Cellular Networks</b> (up to four embedded modems)	<ul style="list-style-type: none"> <li>LTE, DC-HSPA+, HSPA+, HSDPA, HSUPA, WCDMA, GSM, GPRS, EDGE</li> <li>LTE Frequency Band: B1; B3; B7; B8; B20</li> <li>WCDMA Frequency Band: B1; B2; B5; B8</li> </ul>
<b>Ports</b>	<ul style="list-style-type: none"> <li>2 TNC connectors (for 802.11b/g/n wireless LAN access point antennas)</li> <li>8 x SMA connectors (for LTE/3G antennas MIMO support)</li> <li>2 x Fast-Ethernet 10/100/1000 Base-T for LAN connections (RJ-45 ports with auto-crossover)</li> </ul>
<b>Software</b>	<ul style="list-style-type: none"> <li>Management and setup software</li> </ul>
<b>Load Balancing and Bounding</b>	<ul style="list-style-type: none"> <li>Unique load balancing algorithm</li> <li>Adaptive load balancing</li> <li>Round-robin load balancing</li> <li>XOR policy</li> <li>Broadcasts</li> <li>and more ...</li> </ul>
<b>Tunneling</b>	<ul style="list-style-type: none"> <li>IPsec, PPTP, GRE</li> <li>DES, 3DES, AES encryption</li> <li>WEP, WPA, WPA2</li> <li>PAP, CHAP, MD5, SHA1 authentication</li> </ul>
<b>Wireless parameters</b>	<ul style="list-style-type: none"> <li>2.4GHz (802.11b/g/n)</li> <li>TX power up to 28dBm (adjustable)</li> <li>-93 dBm receiver sensitivity</li> </ul>
<b>Tablet</b>	<ul style="list-style-type: none"> <li>Getac T800 fully ruggedized tablet</li> </ul>
<b>Physical</b>	<ul style="list-style-type: none"> <li>Dimensions: 305 x 270 x 144 mm</li> <li>Weight: 4.5 Kg</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>Power input: 100-220 VAC</li> <li>Li-Ion battery for 4 to 5 hours</li> </ul>
<b>Environmental</b>	<ul style="list-style-type: none"> <li>Operating temp: -25C to +80C</li> <li>Storage temp: -40°C to +85°C</li> <li>Humidity: up to 95%, non-condensing</li> </ul>