

# BANDIT 2™



## BANDIT 2™ Summary Points

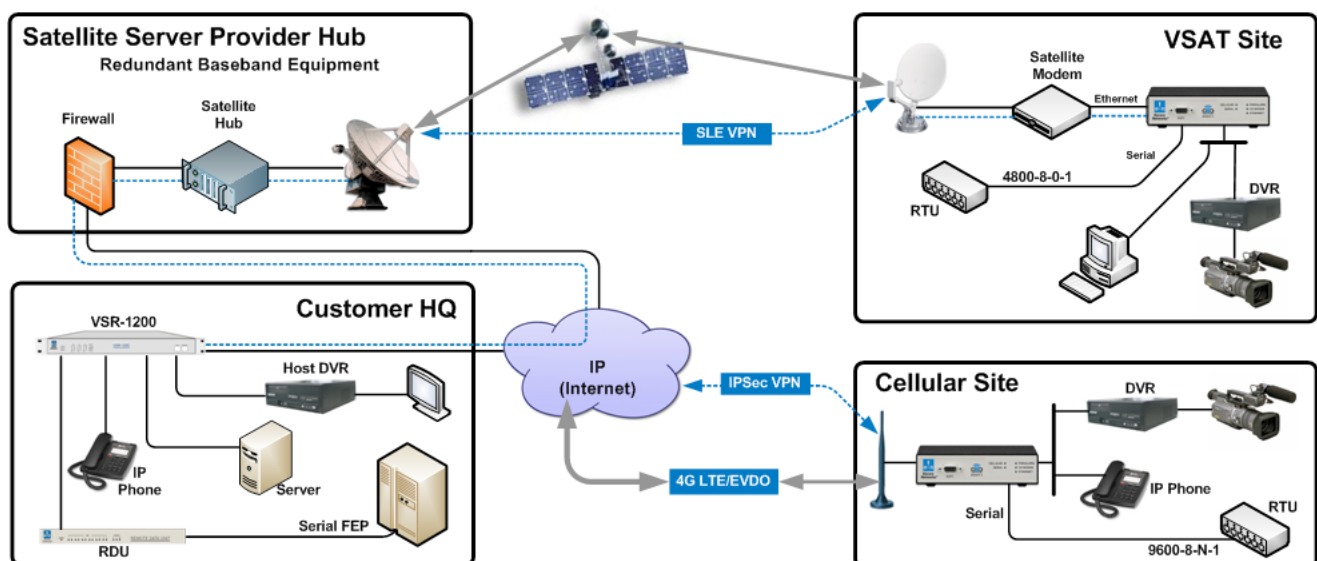
- Available in industrially hardened and commercial grade versions
- IPSec or Selective Layer Encryption (SLE) for enhanced VPN over satellite networks
- Manageability (Remote Monitoring and Configuration)
- Multi Network connectivity over any network including Frame Relay and IP
- Cellular connectivity for primary, load sharing, back-up or out-of-management support
- Up to 2 serial ports for legacy traffic
- Host Site Diversification for Disaster Recovery

## INDUSTRIALLY HARDENED AND COMMERCIAL GRADE SECURITY APPLIANCE

BANDIT 2™, the latest addition to the Encore's BANDIT™ (Broadband Access Network Device for Intelligent Termination™) family, is available as an industrially hardened or commercial grade cyber security appliance with integrated router, firewall, terminal server, serial-to-IP conversion, legacy-protocol conversion, and VPN functionality. Ideally suited for lottery, banking (ATM), AMI/AMR, electric, gas, oil and water utilities, industrial plant floors; mobile transportation; and traffic control system applications, the BANDIT 2™ ensures secure system data and SCADA network connections directly to the Internet, secure Wide Area Network (WAN) and/or Local Area Network (LAN), or commercial cellular data IP services. With its seamless Host Site diversification failover feature, the BANDIT 2™ is ideal for Disaster Recovery and Application Load Sharing to multiple Host Sites.

**Ideally Suited For Electric, Gas, Oil, & Water Utilities, Transportation, Green Energy, & Traffic Control System Applications!**

## Application Diagram



# TECHNICAL SPECIFICATIONS

<b>GENERAL FEATURES</b>	<p>Protocol management (spoofing) and translation</p> <p>NERC CIP (003, 005, 007, 009) compliant firewall security</p> <p>Secure Wireless Cellular 3G, LTE Only, XLTE w/ 3G Backup</p> <p>SNMP manageability (Monitoring and Configuration)</p> <p>Operating System (OS) and Configuration Servers</p> <p>Disaster Recovery and Load Sharing</p> <p>QoS Enforcement</p> <p>VPN</p>
<b>SECURITY APPLIANCE FEATURES</b>	<p>Security Appliance Features</p> <p>Integrated router/firewall/VPN</p> <p>NAT, PrAT, eNAT-T</p> <ul style="list-style-type: none"> <li>· VPN (up to 30 simultaneous tunnels)</li> <li>· IP Sec (RFC 2401) with DES (56 bit), 3DES (168 bit) and AES (256 bit)</li> <li>· G-RE (RFC 1701)</li> </ul>
<b>PROTOCOLS</b>	<p>WAN Serial</p> <ul style="list-style-type: none"> <li>· Frame Relay</li> <li>· Asynchronous and Synchronous PPP</li> <li>· MLPPP</li> <li>· X.25</li> </ul> <p>IP Ethernet</p> <ul style="list-style-type: none"> <li>· IP Routing (RIP v1/v2) or Static Routing</li> <li>· IPSec and SLE VPN</li> <li>· VPN Split Tunneling</li> <li>· DHCP Client/Server/Relay/BootP</li> <li>· IP QoS and traffic prioritization</li> <li>· VRRP (RFC3768)</li> <li>· VLAN</li> <li>· 802.1q VLAN tagging</li> </ul>
<b>SERIAL LEGACY SUPPORT</b>	<p>One DB25 port</p> <p>Supports multiple asynchronous and synchronous legacy protocols</p> <p>One DB9 serial console port supporting EIA/TIA RS232</p> <p>Protocol support for DNP3, IEC 60870-5-101/103/104, MODBUS, CDC, S/NET, CONITEL, ABB, and most electrical industry proprietary protocols; inquire for additional protocols</p>
<b>PHYSICAL PORTS</b>	<p>Serial</p> <ul style="list-style-type: none"> <li>· 1 DB25 port (RS232) User port</li> <li>· 1 DB9 port (RS232) console or User port</li> </ul> <p>Ethernet</p> <ul style="list-style-type: none"> <li>· 2 10/100 BASE T</li> </ul> <p>Optional</p> <ul style="list-style-type: none"> <li>· XLTE w/3G Fallback</li> <li>· 4G LTE Only</li> <li>· CDMA (1xRTT), EVDO</li> <li>· GSM, GPR3, EDGE, UMTS, HSDPA, HSPA</li> </ul>
<b>ELECTRICAL</b>	<p>Power Supply Options</p> <ul style="list-style-type: none"> <li>· 10 watts maximum</li> <li>· DC: 12VDC, 24VDC, 48VDC, 130VDC, 250VDC</li> <li>· AC: 100-240VAC, 50-60Hz (with external adapter)</li> </ul>
<b>ENVIRONMENTAL</b>	<p>Temperature:</p> <ul style="list-style-type: none"> <li>· Industrially hardened: -40° C to +85° C - DC, -30° C to +70° C - AC</li> <li>· Commercial-grade: 0° C to +50° C</li> <li>· Cellular Wireless: -40° C to +70° C</li> <li>· Non-Operating: -40° C to +85° C</li> </ul> <p>Humidity: 5% to 95% non-condensing</p> <p>Altitude: Up to 10,000 ft. (Up to 3048 m)</p>
<b>MECHANICAL</b>	<p>Height: 1.5 in. (3.81 cm)</p> <p>Width: 6.0 in (15.24 cm)</p> <p>Depth: 4.4 in. (11.18 cm)</p> <p>Weight: Less than 1 lb. (Less than 0.45 kg)</p>
<b>STANDARDS COMPLIANCE</b>	<p>RoHS Compliant</p> <p>EMC Compliant</p> <p>FCC Part 15, EN 55022: 1998, EN 55024: 1998</p>
<b>PRODUCT SAFETY</b>	<p>UL/CSA 60950-1</p> <p>CAN/CSA-C22.2 No. 60950-1-03</p> <p>EN 60950-1</p>

Specifications subject to change without notice

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