

BANDIT 2™



BANDIT 2™ Summary Points

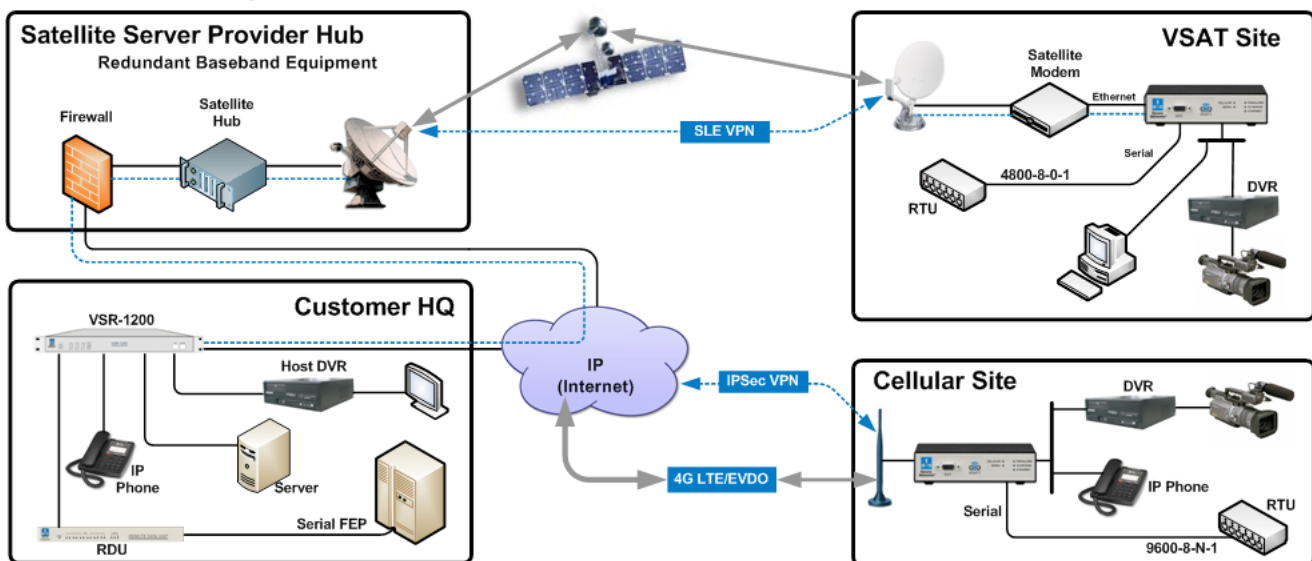
- Available in industrially hardened and commercial grade versions
- IPSec or Selective Layer Encryption (SLE) for enhanced VPN over satellite networks
- Manageability (Remote Monitoring and Configuration)
- Multi Network connectivity over any network including Frame Relay and IP
- Cellular connectivity for primary, load sharing, back-up or out-of-band 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

GENERAL FEATURES	<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>
SECURITY APPLIANCE FEATURES	<p>Security Appliance Features</p> <p>Integrated router/firewall/VPN</p> <p>NAT, PrAT, eNAT-T</p> <ul style="list-style-type: none"> · VPN (up to 30 simultaneous tunnels) · IP Sec (RFC 2401) with DES (56 bit), 3DES (168 bit) and AES (256 bit) · G-RE (RFC 1701)
PROTOCOLS	<p>WAN Serial</p> <ul style="list-style-type: none"> · Frame Relay · Asynchronous and Synchronous PPP · MLPPP · X.25 <p>IP Ethernet</p> <ul style="list-style-type: none"> · IP Routing (RIP v1/v2) or Static Routing · IPSec and SLE VPN · VPN Split Tunneling · DHCP Client/Server/Relay/BootP · IP QoS and traffic prioritization · VRRP (RFC3768) · VLAN · 802.1q VLAN tagging
SERIAL LEGACY SUPPORT	<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>
PHYSICAL PORTS	<p>Serial</p> <ul style="list-style-type: none"> · 1 DB25 port (RS232) User port · 1 DB9 port (RS232) console or User port <p>Ethernet</p> <ul style="list-style-type: none"> · 2 10/100 BASE T <p>Optional</p> <ul style="list-style-type: none"> · XLTE w/3G Fallback · 4G LTE Only · CDMA (1xRTT), EVDO · GSM, GPRS, EDGE, UMTS, HSDPA, HSPA
ELECTRICAL	<p>Power Supply Options</p> <ul style="list-style-type: none"> · 10 watts maximum · DC: 12VDC, 24VDC, 48VDC, 130VDC, 250VDC · AC: 100-240VAC, 50-60Hz (with external adapter)
ENVIRONMENTAL	<p>Temperature:</p> <ul style="list-style-type: none"> · Industrially hardened: -40° C to +85° C - DC, -30° C to +70° C - AC · Commercial-grade: 0° C to +50° C · Cellular Wireless: -40° C to +70° C · Non-Operating: -40° C to +85° C <p>Humidity: 5% to 95% non-condensing</p> <p>Altitude: Up to 10,000 ft. (Up to 3048 m)</p>
MECHANICAL	<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>
STANDARDS COMPLIANCE	<p>RoHS Compliant</p> <p>EMC Compliant</p> <p>FCC Part 15, EN 55022: 1998, EN 55024: 1998</p>
PRODUCT SAFETY	<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

DST18-BANDIT-2-US