

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.

## Industrially Hardened and Commercial Grade Security Appliance

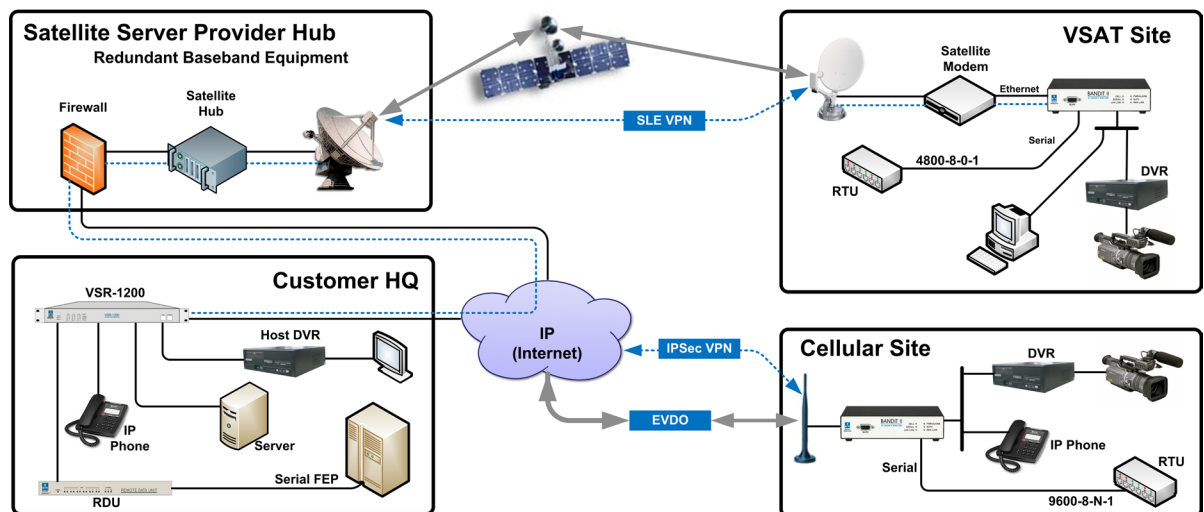
BANDIT II™, the latest addition to the Encore's BANDIT™ (Broadband Access Network Device for Intelligent Termination™) family, is available as an industrially hardened or commercial grade cyber security appliance with integrated router, firewall, terminal server, serial-to-IP conversion, legacy-protocol conversion, and VPN functionality. Ideally suited for lottery, banking (ATM), electric, gas, oil and water utilities, industrial plant floors; mobile transportation; and traffic control system applications, the BANDIT II™ 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 II™ is ideal for Disaster Recovery and Application Load Sharing to multiple Host Sites.

### Summary Points

- ▶ Available in industrially hardened and commercial grade versions
- ▶ IPSec or 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



### Application Diagram



Technical Specifications

**General Features**

- ▶ Protocol management (spoofing) and translation
- ▶ NERC CIP-compliant firewall security
- ▶ Secure Wireless Cellular connection
- ▶ SNMP manageability (Monitoring and Configuration)
- ▶ Operating System (OS) and Configuration Servers
- ▶ Disaster Recovery and Load Sharing
- ▶ QoS Enforcement
- ▶ VPN

**Security Appliance Features**

- ▶ Integrated router/firewall/VPN
- ▶ NAT, PrAT, eNAT-T
- ▶ 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)
  - SLE (Selective Layer Encryption)

**Protocols**

**WAN Serial**

- Frame Relay
- Asynchronous and Synchronous PPP
- MLPPP
- X.25

**IP Ethernet**

- 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**

- ▶ One DB25 port
- ▶ Supports multiple asynchronous and synchronous legacy protocols
- ▶ One DB9 serial console port supporting EIA/TIA RS232
- ▶ 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

**Physical Ports**

**Serial**

- 1 DB25 port (RS232) User port
- 1 DB9 port (RS232) console or User port

**Ethernet**

- 2 10/100 BASE T

**Optional**

- CDMA 1xRTT, EVDO
- GSM EDGE, UMTS, HSDPA, HSPA

**Electrical**

- ▶ Power Supply Options
  - 10 watts maximum
  - DC: 12VDC, 24VDC, 48VDC, 130VDC, 250VDC
  - AC: 100-240VAC, 50-60Hz (with external adapter)

**Environmental**

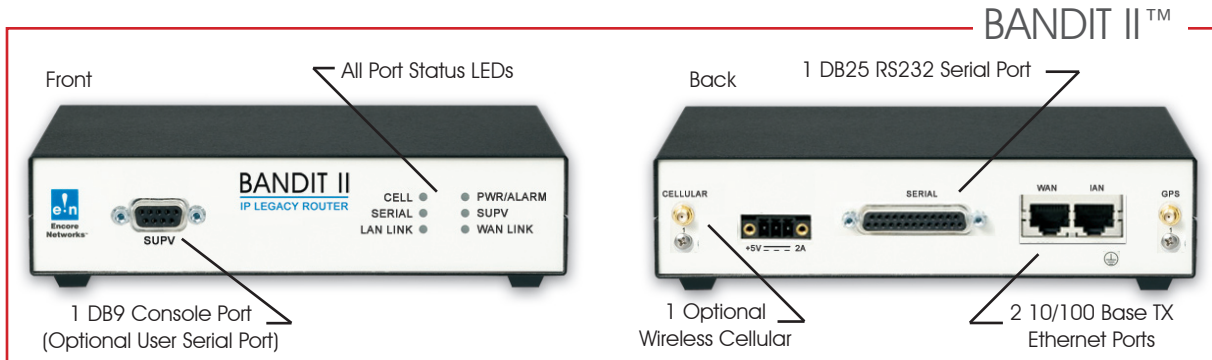
- ▶ Temperature:
  - Industrially hardened: -40° C to +85° C - DC
  - -30° C to +70° C - AC
  - Commercial-grade: 0° C to +50° C
  - Cellular Wireless: -40° C to +70° C
  - Non-Operating: -40° C to +85° C
- ▶ Humidity: 10% to 85% non-condensing
- ▶ Altitude: Up to 10,000 ft. (Up to 3048 m)

**Mechanical**

- Height:** 1.5 in. (3.81 cm)
- Width:** 6.0 in (15.24 cm)
- Depth:** 4.4 in. (11.18 cm)
- Weight:** Less than 1 lb. (Less than 0.45 kg)
- Installation Type:** Desktop

**Standards Compliance**

- ▶ **RoHS Compliant**
- ▶ **EMC**
  - FCC Part 15
  - EN 55022: 1998
  - EN 55024: 1998
- ▶ **Product Safety**
  - UL/CSA 60950-1
  - CAN/CSA-C22.2 No. 60950-1-03
  - EN 60950-1
- ▶ **Part Number**
  - Base Unit, B2100-0000-0000-0



Specifications subject to change

