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!
# TECHNICAL SPECIFICATIONS

## GENERAL FEATURES
- Protocol management (spoofing) and translation
- NERC CIP (003, 005, 007, 009) compliant firewall security
- Secure Wireless Cellular 3G, LTE Only, XLTE w/ 3G Backup
- SNMP manageability (Monitoring and Configuration)
- Operating System (OS) and Configuration Servers
- Disaster Recovery and Load Sharing
- QoS Enforcement
- VPN

## SECURITY APPLIANCE FEATURES
- 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)

## PROTOCOLS
- **WAN Serial**
  - Frame Relay
  - Asynchronous and Synchronous PPP
  - MLPPP
  - X.25
- **IP Ethernet**
  - IP Routing (RIP v1/v2) or Static Routing
  - IP Sec 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 T232
- 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
  - XLTE w/3G Fallback
  - 4G LTE Only
    - CDMA (1xRTT), EVDO
    - GSM, GPR3, 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
    - -30°C to +70°C
  - Commercial-grade: 
    - 0°C to +50°C
  - Cellular Wireless: 
    - -40°C to +70°C
  - Non-Operating: 
    - -40°C to +85°C
- Humidity: 5% to 95% 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)

## STANDARDS COMPLIANCE
- RoHS Compliant
- EMC Compliant

## PRODUCT SAFETY
- UL/CSA 60950-1
- CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1

Specifications subject to change without notice