

# EN-400™



## EN-400™ Prime Applications

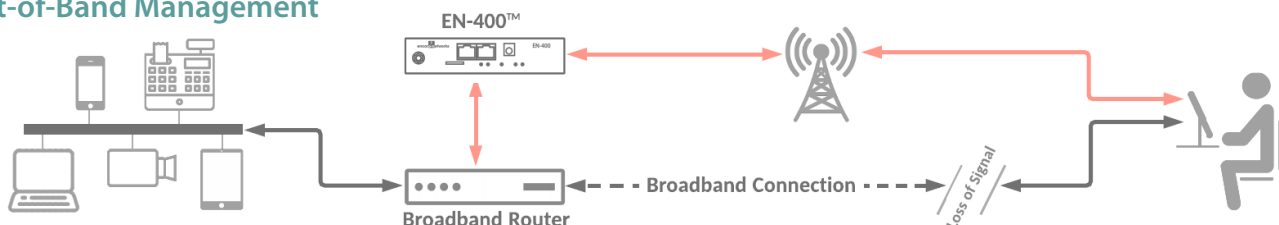
- Out-of-band management
- Remote access and control
- Retail Point-of-Sale
- Remote payment processing
- Electronic Gaming

## EN-400™ Standard Features

- Ideal upgrade path for 2G, LTE reliability at 2G price
- Excellent for secure, low bandwidth transactions and monitoring
- Distributed Enterprise Support for a variety of networks providing "always on" service
- License free, VRRP, DMNR, GRE and IPsec
- VPN (tunnel, NAT-T, and Dead Peer Detection)
- Cloud Management through enCloud™
- Pass Through/Bridge Operation for direct connect to the Internet

## Cloud Management Available with enCloud™ Enterprise Management System

### Out-of-Band Management



## INDUSTRY'S FIRST M-CLASS LTE WIRELESS ROUTER FOR M2M AND IoT APPLICATIONS

The Encore Networks EN-400™ cellular router is the first router developed for the new LTE Category M1 (CAT M) network. CAT M provides a low-latency LTE connection with speeds equivalent to current 2G networks. CAT M technology provides several advantages for IoT applications:

- Lower hardware costs
- Lower power consumption—ideal for power sensitive deployments like solar or battery powered applications
- Better building penetration—for devices deployed in basements, wire closets, or other dense industrial areas
- Better tower density—more devices can share the same tower
- Lower data usage means lower data costs

Carriers are shutting down their 2G networks, making the EN-400™ an ideal replacement for existing 2G devices facing transport extinction. It delivers reliable cellular connectivity for IoT applications on new CAT M networks. It is comparable in cost to 2G solutions, offers more functionality and security than 2G modems and has the long life expectancy of LTE. The EN-400™ router is the perfect solution for mission critical low bit rate applications.

### Manage the EN-400™ with enCloud™

EN™ cellular routers provide exceptional features at a value price. The EN-400™ is no exception. EN™ Series routers come with a three-year hardware warranty, an intuitive GUI interface, built in Firewall, VPN support and advanced IP routing protocols like DMNR, GRE, and IPsec.

All of the EN™ routers can be monitored and managed with Encore's enterprise management system enCloud™. enCloud™ offers many features that will make managing your entire network of EN™ routers easier, including Cellular data limit enforcement for individual devices and group data plans, included firmware updates, no touch deployment for new hardware, and reseller and customer tiers to assist in delivering managed network services for customers.

# TECHNICAL SPECIFICATIONS

<b>GENERAL FEATURES</b>	Broadband Router Secure VPN router QoS enforcement to prioritize critical traffic
<b>SECURITY APPLIANCE FEATURES</b>	Stateful inspection layer 4 firewall, NAT, NAT Port Forward HTTPS-SSL SSH (Secure Shell) IPsec with AES 256 and 3DES 4 tunnels max Dead Peer Detection plus NAT Traversal Generic Router Encapsulation GRE (RFC 1701) Internet Key Exchange - IKE V1, V2 OpenVPN
<b>IP TRANSPORT PROTOCOLS</b>	Static routing DHCP client/server IP QoS and traffic prioritization IP fragmentation/reassembly IP routing over VPN; TCP and UDP IPv6 Support Virtual Redundant Routing Protocol (VRRP) Asynchronous PPP DMNR PPPoE
<b>CELLULAR</b>	AT&T; LTE CAT 4 150/50 Mbits – Bands, 2, 4, 5, 17 – UMTS 850/1900 T-Mobile; LTE CAT 4 150/50 Mbits – Bands, 4, 12 – UMTS 850/1900 Verizon; LTE CAT 4 150/50 Mbits – Bands 4, 13
<b>PHYSICAL FEATURES</b>	LEDs for cell module, system status, network status, and power LEDs for LAN/WAN and Cellular signal strength indication One 10/100 Mbit/s Ethernet RJ-45 (WAN/LAN) - WAN is factory default One 10/100 Mbit/s Ethernet RJ-45 (LAN) Reset Switch One SMA antenna connections for embedded internal cellular radio Accessible SIM Slot Power Input Optional DIN Rail Clip
<b>MANAGEMENT</b>	enCloud™ Device Management System GUI Web Management SSH (Secure Shell) SNMPv3 manageability HTTP/HTTPS - web access interface Telnet Syslog
<b>MECHANICAL</b>	Height: 1.6 inches/40 mm Width: 5.7 inches/145 mm Depth: 4 inches/100 mm Weight: 1 lb. ( 0.45 kg)
<b>ENVIRONMENTAL</b>	Operating: -20 C to +65 C Storage: -40 C to +85 C Humidity: 5% to 95%, non-condensing
<b>STANDARDS COMPLIANCE</b>	RoHS Compliant CE Compliant EMC, FCC Part 15, EN 55011/CISPR II 100 - 240VAC Autoranging, 47-63Hz Power Supply (12V input) Power Consumption - 3.5 watts nominal, 7 watts transmitting
<b>PRODUCT SAFETY</b>	UL/CSA 60950-1, EN 60950-1 CAN/CSA-C22.2 No. 60950-1-03

Specifications subject to change without notice

DST-EN400-v1