

EN-2000[™] Supports Band 31 450 MHz



EN-2000™ Prime Applications

- Business Continuity/Wireless Failover
- Mobile/Remote Office
- Primary Cellular connectivity
- Video Surveillance
- Kiosks
- Remote Monitoring
- Distributed Enterprise

EN-2000™ Standard Features

- Supports both wireless and wired transport
- License free, VRRP, DMNR, GRE and IPsec
- VPN (tunnel, NAT-T, and Dead Peer Detection)
- Pass Through/Bridge Operation for direct connect to the Internet
- Two Ethernet ports, either LAN/LAN or WAN/LAN
- Small Footprint, Low Power Consumption
- Enhanced traffic grooming using QoS
- Data Traffic types can be assigned to specific links, IP addresses
- Distributed Enterprise Support for a variety of networks providing "always on" service

Cloud Management Available with enCloud™ Enterprise Management System

4G LTE BROADBAND ROUTER

The Encore Networks EN-2000™ is a high performance low-cost broadband router designed for LTE Cellular networks. Built for the Internet of Things, this compact IP M2M router provides license free IPsec, VPN, Firewall, Ethernet and IP interworking. The EN-2000™ can service the needs of mission critical business and enterprise applications.

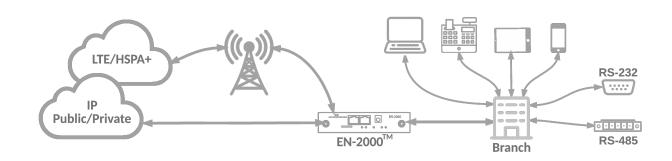
The EN-2000™ supports high-availability in fixed or portable locations by supplementing traditional broadband networks like DSL, cable, or MPLS/ Ethernet with a high-speed LTE connection. When programmed for failover, the EN-2000™ detects hardwire network failures and seamlessly switches to LTE as programmed, keeping the network online. With standards based VRRP, the EN-2000™ can support automatic failover and failback when the original connection comes back online. The EN-2000™ M2M router provides multiple VPN tunnels and VLAN support as well as VRRP with no additional licensing fees. It can also be set up to broadcast traffic to multiple operation centers using traffic shaping ensuring maximum performance, while also reporting alarms to a NOC.

The EN-2000™ can also operate as a stand-alone cellular solution to support a branch office or location. With the high speeds offered by cellular LTE networks normal business can be conducted without terrestrial connections. This makes the EN-2000™ an ideal choice for new construction, temporary branch offices or primary internet while awaiting terrestrial installation. The EN-2000™ can be enabled with optional WiFi which can be used to further enhance the local network.

Exceptional Features at a Reasonable Price

The EN™ series of cellular routers provides powerful features at a value price. The EN-2000™ is the flagship of this series and offers exceptional value. All the EN™ series routers come with a three-year hardware warranty, an intuitive GUI interface, built in Firewall, VPN support and advanced IP features including DMNR, GRE, and IPsec.

In addition, all of the EN™ Series 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™ Series 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 multiple customers.





TECHNICAL SPECIFICATIONS

GENERAL FEATURES	Broadband Router
	Secure VPN router Modern / Collular IP Page Through / Pridge Operation
	Modem/Cellular IP Pass Through/Bridge Operation QoS enforcement to prioritize critical traffic
	Stateful inspection layer 4 firewall, NAT, NAT Port Forward
SECURITY APPLIANCE FEATURES	HTTPS-SSL
	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
	Static routing
IP TRANSPORT PROTOCOLS	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
CELLULAR	LTE Band: 31 450 MHz
	GSM TECHNOLOGY/BANDS
	UMTS/HSPA Triple-band 900/1900/2100 MHz
	EDGE/GPRS Dual-band 900/1800 MHz
WIFI PHYSICAL FEATURES	Support for 2.4 and 5 GHz
	Autoselect between 802.11a/b/g/n
	WEP or WPA-PSK encrption
	WiFi Hotspot
	LEDs for cell module, system status, network status, and power
PHISICAL PEATURES	LEDs for LAN/WAN and Cellular signal strenghth 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
	Two SMA antenna connections for embedded internal cellular radio
	Two SMA antenna connections for WiFi antennas
	Power Input
	Optional DIN Rail Mounting
	Model Specific RS-232, RS-485 connections
MANAGEMENT	enCloud™ Enterprise Management System
	GUI Web Management
	SSH (Secure Shell)
	SNMPv3 manageability
	HTTP/HTTPS - web access interface
	Telnet Syslog Height: 1.6 inches/40 mm
MECHANICAL	Width: 5.7 inches/145 mm
	Depth: 4 inches/100 mm
	Weight: 1 lb. (0.45 kg)
	Operating: -20 C to +70 C (Extended Temperature Commercial)
ENVIRONMENTAL	Storage: -40 C to +85 C
	Humidity: 5% to 95%, non-condensing
	RoHS Compliant
STANDARDS COMPLIANCE	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
	UL/CSA 60950-1, EN 60950-1
PRODUCT SAFETY	CAN/CSA-C22.2 No. 60950-1-03

Specifications subject to change without notice



DS-EN2000-EMEA-v3