EN-2000[™] Dual SIM Data Sheet



EN-2000[™] Dual SIM with Ethernet Only

EN-2000

EN-2000

EN-2000[™] Dual SIM

EN-2000™ Dual SIM with Ethernet and Serial Ports



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

EN-2000[™] Standard Features

- Dual SIM for Failover Options
- 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
- Dual SIM Serial RS-232, RS-485

Cloud Management Available with enCloud[™] Enterprise Management System



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.

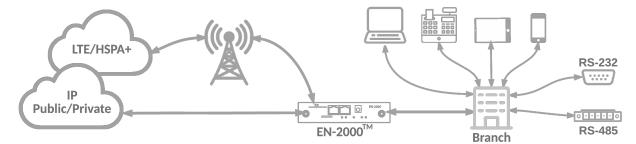
The EN-2000[™] supports high-availability in fixed or portable locations by supplementing traditional broadband networks like DSL, cable, or MPLS/Ethernet with a high-speed LTE connection. With Dual SIM support, the EN-2000[™] can support dual connections to two different carriers. This gives the EN-2000[™] the ability to switch automatically between carriers based upon cell signal strength, data plan threshold crossing alert and more. 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	
	Dual SIM	
	Modem/Cellular IP Pass Through/Bridge Operation	
	QoS enforcement to prioritize critical traffic	
SECURITY APPLIANCE FEATURES	Stateful inspection layer 4 firewall, NAT, NAT Port Forward	
SECORITT APPLIANCE FEATORES	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	
IP TRANSPORT PROTOCOLS	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 CAT 4, Bands: 800/900/1800/2100/2600 Mhz	
	GSM TECHNOLOGY/BANDS	
	UMTS/HSPA Triple-band 900/1900/2100 MHz	
	EDGE/GPRS Dual-band 900/1800 MHz - Dual SIM Programmable Switch Over	
	No SIM Detection	
	Low Cell Signal	
	Data Plan Threshold Crossing Alert	
	Unable To Connect To The Network	
	Switches To Roaming	
WIFI	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	
PHYSICAL FEATURES	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 detachable WiFi antennas	
	Two Accessible SIM Slots Power Input	
	Optional DIN Rail Mounting	
	Model Specific RS-232, RS-485 connections	
	enCloud™ Enterprise Management System	
MANAGEMENT	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)	
ENVIRONMENTAL	Operating: -20 C to +70 C (Extended Temperature Commercial)	
	Storage: -40 C to +85 C	
	Humidity: 5% to 95%, non-condensing	
STANDARDS COMPLIANCE	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	
PRODUCT SAFETY	UL/CSA 60950-1, EN 60950-1	
FRODUCT SAFETT	CAN/CSA-C22.2 No. 60950-1-03	
	Specifications subject to change without notice	DS-EN2000-EMEA-v2
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