

EN-2000™

Verizon 4G LTE Only Broadband Router

The Encore Networks EN-2000™ is a high performance ultra-low cost M2M VPN network router designed for the Verizon Wireless LTE public and private networks. Ideally suited for the 'Internet of Things,' this compact IP M2M router provides license free IP, VPN, Firewall, Ethernet and IP interworking with an embedded Verizon LTE cell module. Servicing the needs of mission critical business and enterprise applications providing 24/7 x 365 connectivity. The EN-2000™ supports high-availability in fixed or portable locations supporting such verticals as: Remote Monitoring, Video/Alarm Panel Surveillance, Finance e.g. ATMs, branch back up/Business Continuity, and Distributed Enterprise Support.

The EN-2000™ M2M router supports traditional broadband and cellular data networks including DSL, cable, and Ethernet. Disaster recovery and business-continuity failover/failback are standard. When programmed for failover, the EN-2000™ detects network failures and seamlessly switches to LTE or WAN as programmed – keeping the network online. In support of these features the EN-2000™ M2M router provides multiple VPN tunnels and VLAN support. The EN-2000™ M2M router enables quick Business Continuity/Disaster Recovery implementation with existing 3rd party routers using standards based VRRP which enables Automatic Failover and Failback without the need for IT personnel involvement. Upon a link failure, traffic moves automatically to a working link, or to a new connection as programmed. The license free embedded router software can be set up to broadcast to multiple operation centers with traffic shaping ensuring maximum performance, while reporting alarms to a NOC.

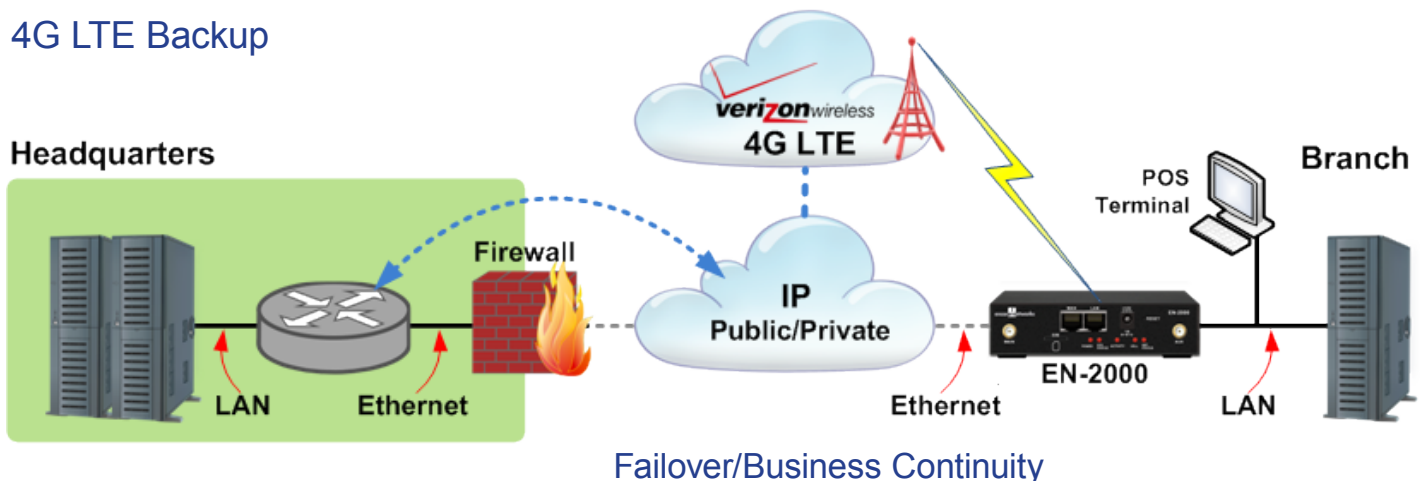
Prime Applications

- Business Continuity
- LTE Broadband Router
- Cellular/IP Pass Through
- VRRP Backup

Standard EN-2000™ Features

- Distributed Enterprise Support
- Small footprint
- License free, VRRP, DMNR, GRE and IPsec VPN (tunnel, NAT-T, and Dead Peer Detection)
- High throughput via Verizon Wireless LTE
- Automatic failover and failback from broadband transport with Alarm reporting
- 4G LTE Modem/Cellular Pass Through/Bridge Operation
- Supports both wireless and wired Internet connections (two Ethernet ports for LAN/LAN or WAN/LAN)
- Shock and vibration resistant
- Enhanced traffic grooming using QoS and CoS traffic types assigned to specific links
- Low power consumption

4G LTE Backup



Consult your area sales representative for price availability.

TECHNICAL SPECIFICATIONS

General Features	Business Continuity/Disaster Recovery over WAN and LTE connections				
	Secure IPsec router				
	Modem/Cellular IP Pass Through/Bridge Operation				
	QoS enforcement to prioritize critical traffic				
	Configuration servers to manage and update routers centrally				
	100 - 240VAC Autoranging, 47-63Hz Power Supply (12V input)				
	Power Consumption - 3.5 watts nominal, 7 watts transmitting				
Security Appliance Features	Stateful inspection layer 3 firewall, NAT (Network Address Translation) NAT Traversal				
	HTTPS-SSL				
	SSH (Secure Shell)				
	IPsec with AES 256 and 3DES 4 tunnels max				
	Generic Router Encapsulation GRE (RFC 1701)				
Transport Protocols	WAN	IP over Ethernet			
		Asynchronous PPP			
		MLPPP			
		DMNR			
		PPPoE			
	IP	Static routing			
		DHCP client/server			
		IP QoS and traffic prioritization			
		IP fragmentation/reassembly			
		IP routing over VPN; TCP and UDP			
Physical Features Standard	Front Panel	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			
		Two antenna SMA connectors for embedded internal cellular radio			
		Accessible SIM Slot			
		Power Input			
		Management	GUI Web Management		
			SSH (Secure Shell)		
SNMPv3 manageability					
HTTP/HTTPS - web access interface					
Telnet					
Syslog					
Environmental (Temperature)	Operating: -20 C to +65 C. (Extended Temperature Commercial)				
	Storage: -40 C to +85 C				
	Humidity: 5% to 95%, non-condensing				
Mechanical	Height: 1.6 inches/40 mm				
	Width: 5.7 inches/145 mm				
	Depth: 4 inches/100 mm				
	Weight: 1 lb. (0.45 kg)				
Standards Compliance <i>RoHS Compliant</i>	EMC	FCC Part 15	Product Safety		
		EN 55011/CISPR II		UL/CSA 60950-1, EN 60950-1 CAN/CSA-C22.2 No. 60950-1-03	

Verizon SKU EN-2000-C4G0-0000-1



3 Year Warranty

EN-2000™



Specifications subject to change without notice