

# EN-2000™ Automotive



## EN-2000™ Automotive Router Applications

- Mobile Data Communications
- Transportation and Delivery vehicle
- Commercial Tour Bus
- Public Safety

## EN-2000™ Automotive Router Features

- Software Programmable Ignition Power Shutoff
- LTE Cellular connectivity
- Wi-Fi Up to 30 clients supported
- Security/Encryption
- License Free, VRRP, DMNR, GRE and IPsec
- VPN (tunnel, NAT-T, and Dead Peer Detection)
- Pass Through/Bridge Operation for direct connection to the Internet
- Two Ethernet ports
- Small Footprint, Low Power Consumption 9-32 VDC
- Enhanced traffic grooming using QoS
- Data Traffic types can be assigned to specific links, IP addresses

## Cloud Management Available with enCloud™ Enterprise Management System

## 4G LTE BROADBAND AUTOMOTIVE ROUTER

The Encore Networks EN-2000™ Automotive Router (AR) is a high performance low-cost broadband automotive router designed for mobile LTE Cellular applications. This compact IP router provides license free IPsec, VPN, Firewall, Ethernet and IP interworking. The EN-2000™ AR operates as a stand-alone LTE cellular solution that supports mobile communications and applications with two Ethernet ports. The EN-2000™ AR can be enabled additionally with an optional Wi-Fi interface to deliver streaming content and other IP based services inside and outside of the vehicle.

## Exceptional Features at a Reasonable Price

The Encore Networks EN-2000™ Automotive Router provides powerful features at a value price, hardened temperature operation from -20°C to +70°C ensuring operations in the most extreme temperatures. Advanced electrical circuitry design with built-in protection. Encore's AR comes 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, the Encore Networks EN-2000™ Automotive Router 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.

EN-2000™ Back Panel Pictured with Terminal Block Connector



# TECHNICAL SPECIFICATIONS

<b>GENERAL FEATURES</b>	Broadband Router Secure VPN router Modem/Cellular IP Pass Through/Bridge Operation 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
<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>WIFI</b>	Support for 2.4 and 5 GHz Autoselect between 802.11a/b/g/n WEP or WPA-PSK encryption WiFi Hotspot
<b>PHYSICAL FEATURES</b>	LEDs for cell module, system status, network status, and power LEDs for LAN/LAN and Cellular signal strength indication Two 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 Accessible SIM Slot Power Input Optional DIN Rail Clip or Optional Mounting Bracket
<b>MANAGEMENT</b>	enCloud™ Device Management System GUI Web Management 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 +70° 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 9 - 32 VDC 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

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