



## CE121 Cellular Router



### Cellular Router Capabilities

LynxSpring's new Onyxx<sup>®</sup> CE121 Cellular Router is designed to support secure, remote access and the exchange of data among today's intelligent buildings, energy management systems, machine-to-machine applications, edge devices and cloud services.

LynxSpring has conveniently packaged our new easy-to-configure Cellular Router with our E2E Private Wireless Network and the E2E Easy Data Service Plan.

With the reliability, coverage, security and simplicity of our wireless data plan, the Onyxx<sup>®</sup> Cellular Router has been designed for simple set-up, installation, commissioning and includes a wireless modem interface allowing instant communication upon startup. Developed to be a *drop-in* or an OEM equipment deliverable product, the new Cellular Router provides remote access and data acquisition through enabling you to:

- Remotely monitor and control infrastructure and equipment, meters, pumps and valves in any energy, utility, commercial or industrial application.
- Instantly connect equipment at remote point-of-sale locations, temporary installations, or retail operations.
- Access to building and energy assets via a secure VPN.

### Features

3G EV-DO MODEL (*fallback to CDMA 1xRTT*)

- 800/1900 MHz Novatel EVDO modem
- Download: up to 1.4 Mbps
- Upload: up to .80 Mbps
- Ethernet is standard

### Carrier Approvals

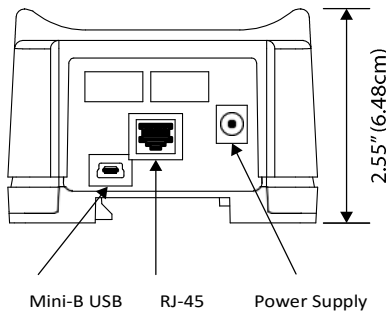
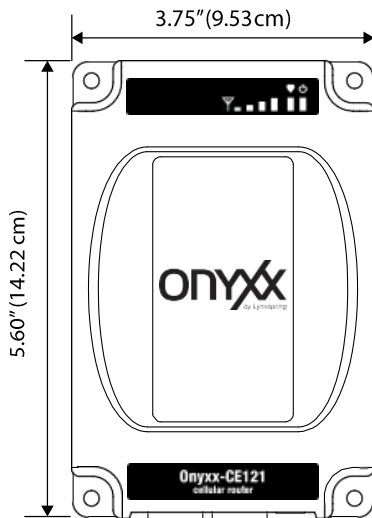
The Onyxx-CE121 Cellular Router is tested and approved for deployment by Verizon.



# Onyx<sup>®</sup> Cellular Router

## PRODUCT DATA SHEET

### Dimensions



### Specifications

PLATFORM	
Operating System	Helixx <sup>™</sup> Framework by Lynxspring <sup>®</sup>
Processor	1 GHz AM335x ARM Cortex A-8
Memory	512 MB DDR3L 800 MHz, 4 GB 8-bit Embedded MMC on-board Flash
COMMUNICATION PORTS	
Ethernet Port	10/100 Mbps (RJ-45 Connector)
Mini-B USB	USB Client Connector utilizes 5 pin Mini-USB cable
Antenna	1 SMA antenna connectors (Primary), active antenna support
PROTOCOLS	
Network	TCP/IP, UDP/IP, DNS (pass-through)
Routing	NAT, Host Port Routing, Reliable Static Route
Application	Telnet/SSH, SMTP, SNMP, SNTIP
CONNECTION	
Remote VPN Network	Port Forwarding
POWER	
Power Input	External 9 to 15 Vdc 1A power supply
ENVIRONMENT	
Operating Temperature Range	0 – 60 °C (32 – 140 °F)
Storage Temperature Range	0 – 70 °C (32 – 158 °F)
Relative Humidity Range	5 – 95% RH, non-condensing
CERTIFICATIONS	
Compliance	PTCRB, R&TTE, FCC 47 Part 22 & 24, Complies with FCC47 Part 15 Class B, Industry Canada, CE, RoHS Compliant, Class 1 Div. 2.
RF Exposure/Specific Absorption Rate (SAR)	This product has been evaluated for SAR and meets the FCC Guidelines for exposure to radio waves.
	FCC Equipment Authorization ID: PKRNVWMC760

### Ordering Information

PART NUMBER	PART DESCRIPTION
Onyx-CE121	Packaging will include: one (1) Onyx CE121 Cellular Router, one (1) 9 to 15 Vdc 1A external power supply, and one (1) 7 ft. Ethernet cable and one (1) direct-connect antenna.
OPTIONAL	
OX-CMA-3WR-12	Remote antenna with an ultra-wide band, cellular magnetic mount including a 3 foot cable.

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