

LYNX Series – Transit M2M LTE WiFi Router

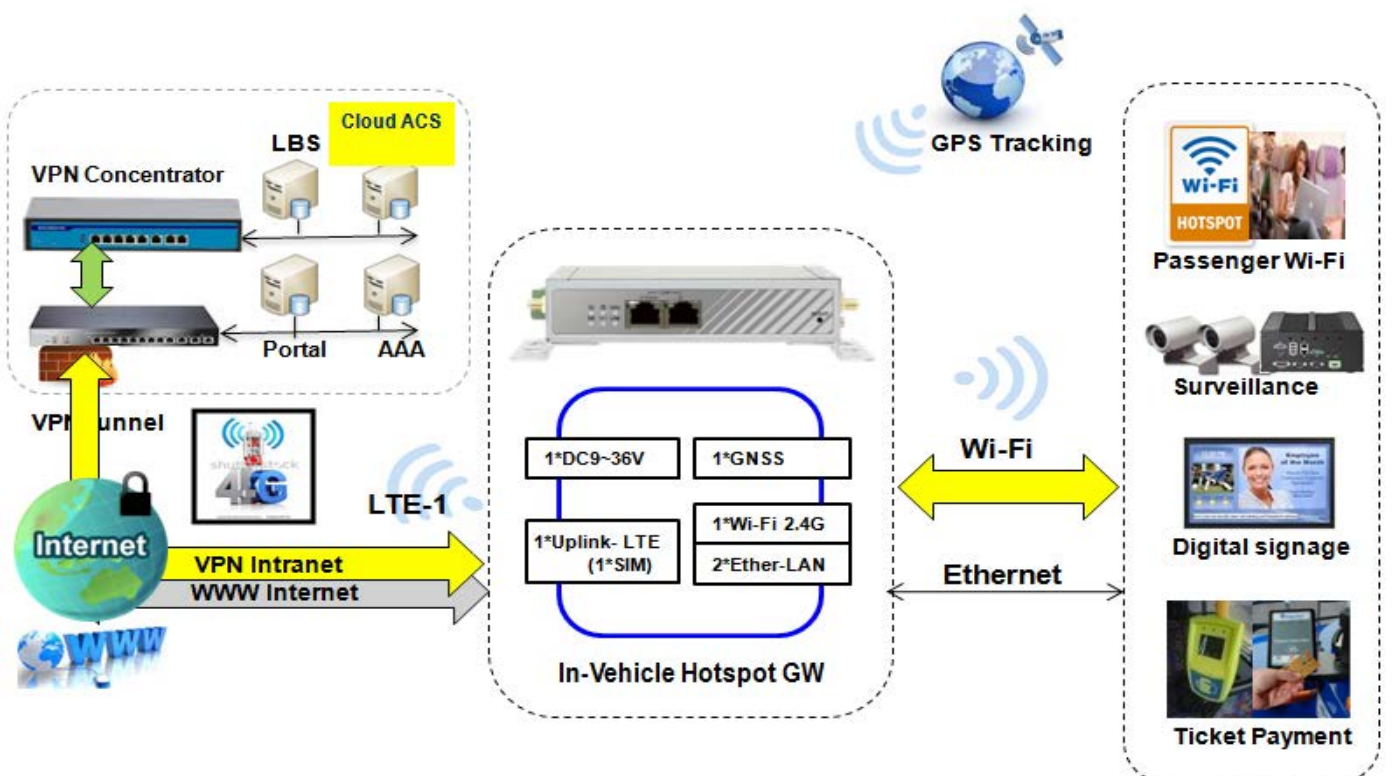
P/N: LYNX-transCOMM-LTE-WiFi-002



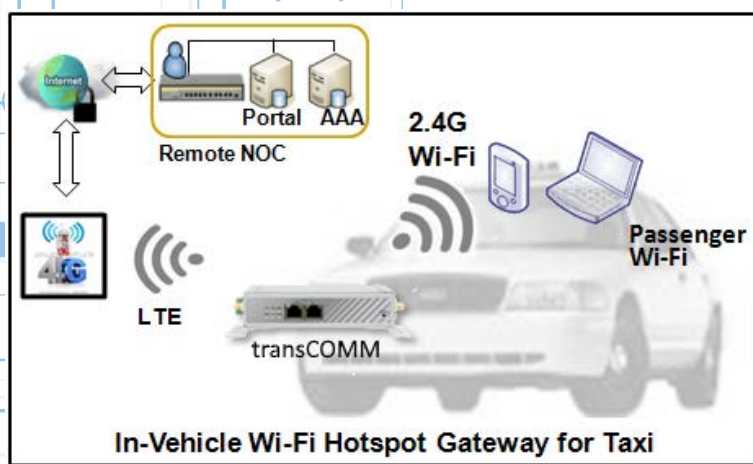
Features:

- In-vehicle hotspot cellular router/gateway for Transit/Transportation or Mobile Rugged applications.
- 1 x Embedded LTE (incl. 3G fallback) radio module.
- LTE B28/700MHz, LTE B5/850MHz, and B1, B3, B7, B8 frequency bands supported for all ANZ based carriers.
- 802.11n 2.4GHz Wi-Fi for WiFi hotspots, with 8 SSIDs.
- 2 x FE LAN ports with 802.1p/q packet tagging and queueing support, with support for VLANs.
- Dedicated GPS receiver for accurate location tracking and fleet management.
- Advanced networking protocols: NAT/Routing/ incl. IPv6 compatible for all IP networks.
- Advanced QoS and Bandwidth management for optimal bandwidth usage.
- IPSec, OVPN, GRE, PPTP, L2TP VPN support up to 8 concurrent tunnels with 70Mbps throughput (IPSec).
- Stateful IPTables Firewall with SPI and IPS, enhances network efficiency and industry leading security.
- Remote Management - SNMP, Telnet/SSH, and TR-069 for large scale management, incl. FOTA updates.
- ISO7637 compatible 9V~36V power input with ignition sense and low battery voltage detection.
- Rugged metal case with vibration and shock proof design, bracket mounting kit, easy to install.

Connection Diagram:



Applications:



Application:

To deploy a cellular hotspot gateway for In-Vehicle hotspot applications.

Description:

- The easiest way to deploy an In-Vehicle WiFi hotspot router for providing passenger Wi-Fi hotspots, or other value-added services in a moving vehicle, like a Taxi, Truck or Construction/Mining vehicles.
- Industry leading LTE (4G) connectivity.
- A cost-effective product, with a robust design for secure internet access, where you have variable voltages, and a wide temperature ranges.

Specifications:¹

Device Interfaces

Uplink:	1*Embedded LTE
LAN-RJ45:	2*RJ45 Fast Ethernet ports
LAN-Wi-Fi:	802.11n 2T2R (2.4GHz)
GNSS:	1*GPS + GLONASS
Storage & Log:	1*embedded 8GB Flash, 1*USB
Cellular Band ² :	LTE: 700/850/1800/2100/2600MHz, WCDMA: 850/2100 MHz
Antenna Ports: (no ant supplied)	2*3dBi detachable ant. (3G/4G/LTE), 1*active GPS antenna 2*5dBi detachable ant. (WiFi)
Power Source:	DC 9V~36V (ISO7637 compatible)

WAN Functions

WAN:	3G/4G WAN
Cellular:	3G/LTE IPv4/IPv6, IP Pass-through
IPv6:	Dual Stack, 6-in-4, 6-to-4

Basic Functions

Ethernet:	LAN IP, Subnet Mask
WiFi System:	802.11n 2T2R MIMO (2.4GHz),
WiFi Operation:	AP Router, WDS, WDS Hybrid Modes
Mode & Func.:	Multi SSID WPS WMM
WiFi Security:	WEP,WPA,WPA2,WPA-PSK,WPA2-PSK,802.1x
VLAN:	Port-based, Tag-based
NAT:	ALG, Special AP, DMZ Host, Virtual Server/ Computer, PPTP/L2TP/IPSec Pass-through
Routing:	Static, Dynamic: RIP1/RIP2, OSPF, BGP

Management

Configuration:	Web UI, Telnet/SSH CLI, Console CLI
Network:	SNMPv3, TR-069
Event & Handler:	SMS, Syslog, SNMP Trap, Email Alert, Reboot

Cellular Functions

APN Mgmt.:	Auto-Detection, User Defined Priority, Manual
Network Scan:	Operator/Service Type/Band Selection
Data Plan:	Monitor, Usage Warning, Connection, Restricted
SMS:	Send, Receive, Forward, Event Notify, Device Management
USSD:	Manual/USSD Profile

Advanced Functions

Firewall:	SPI Firewall with Stealth Mode, IPS
Access Control:	MAC Address Control, Packet Filters, URL Blocking
QoS & BWM:	Policy-based Bandwidth Control and Packet Flow Prioritization
VPN Tunneling:	IPSec, PPTP, L2TP, GRE, OpenVPN, DMVPN, L2TP over IPSec, Tunneling; Tunneling with Full Tunnel
VPN Scenario:	Site to Site, Site to Host, Host to Site, Host to Host, Hub and Spoke, DMVPN, Dynamic VPN
VPN Capability:	IPSec: up to 8 tunnels
Redundancy:	RRRP

Applications

Storage:	Syslog Records
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Systems

System:	Status & Statistics, Tools, Scheduling, FW Up grade, Backup & Restore Settings, Watch Dog
User Auth.:	Captive Portal, RADIUS, X.509
Grouping:	Group by Host, File Extension, Application

Dimension

Device (LxWxH):	131x99x31mm (w/o mounting kit) 167x99x39mm (with mounting kit)
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Environment

Operation Temp.:	-30°C ~ +70°C ³ (components are -40°C to +85°C)
Storage Temp.:	-40°C ~ +85°C
Humidity:	10% ~ 95% (non-condensing)

Notes:

1. Specifications are subject to change without notice.
2. Supported cellular bands are dependent on regional hardware versions.
3. Cellular & Wi-Fi performance will be degraded if operating in higher ambient temp's. Operating Temps are determined by cellular & WiFi modules selected for region.