LTE3301-PLUS

4G LTE-A Indoor Router

Are you an owner of a small and mid-sized business? Have you ever suffered from poor wired connection? Does your business need non-stop internet? Do you want to management all your endpoint devices in one single platform? Do you want to reduce your business costs?

If you say yes to any of these questions, you should have a more efficient and cost-effective networking device now. 4G LTE-A Indoor Router (LTE3301-PLUS) is definitely the one for you!

Benefits

Effortlessly Manage All Devices Anytime Anywhere at Any Scale

The 4G LTE-A indoor router has two variants, **LTE3301-PLUS** for on-premise solution and **Nebula LTE3301-PLUS**, which allows it to deliver consistent high-quality network connectivity for business-critical operations by Nebula cloud solution anytime anywhere with ease. Centrally provisioning and seamlessly monitoring all endpoint devices, including access points, switches and firewalls, within your organization across distributed locations from the Nebula platform, while keeping your network aware of constantly changing devices. If your deployment requires on-premise solution without the need for cloud monitoring for device status, LTE3301-PLUS is the device for you.

- 4G LTE-A Cat.6 with up to 300 Mbps data rates

- Nebula cloud management for **Nebula LTE3301-PLUS** only

- Connection failover between both WAN interfaces

- AC1200 2.4/5GHz dual-band concurrent WiFi

- Share WiFi with up to 32 devices simultaneously

- Embedded bridge and router mode

- Space-saving, durable and robust design

Reliable Internet Uptime for Business Continuity

The LTE3301-PLUS has 4G LTE-A and Gigabit Ethernet dual-WAN for fail-safe broadband connectivity. It is perfect for any organization wanting to provide non-stop internet connection for their business or home by replacing or backing up their existing broadband service.

Speed is All You Need

Enjoy the best Cat.6 4G LTE-A technology with up to 300 Mbps data rates. It embeds two external upgradeable LTE/3G antennas, which can boost your signal reception. It also employs AC1200 2.4/5GHz dual-band concurrent WiFi. Get stable and fast WiFi connection, allowing you to have a video conference with a client or stream a 4K video without the stutters.

Security without Compromise

The LTE3301-PLUS is deployed with Firewall and Parental Control functions, which can block inappropriate and dangerous sites. Restrict access by time and category.
At the same time protect every device on your office network against adware, phishing, IP spoofing, and routing attacks, along with other external threats through your LTE3301-PLUS!
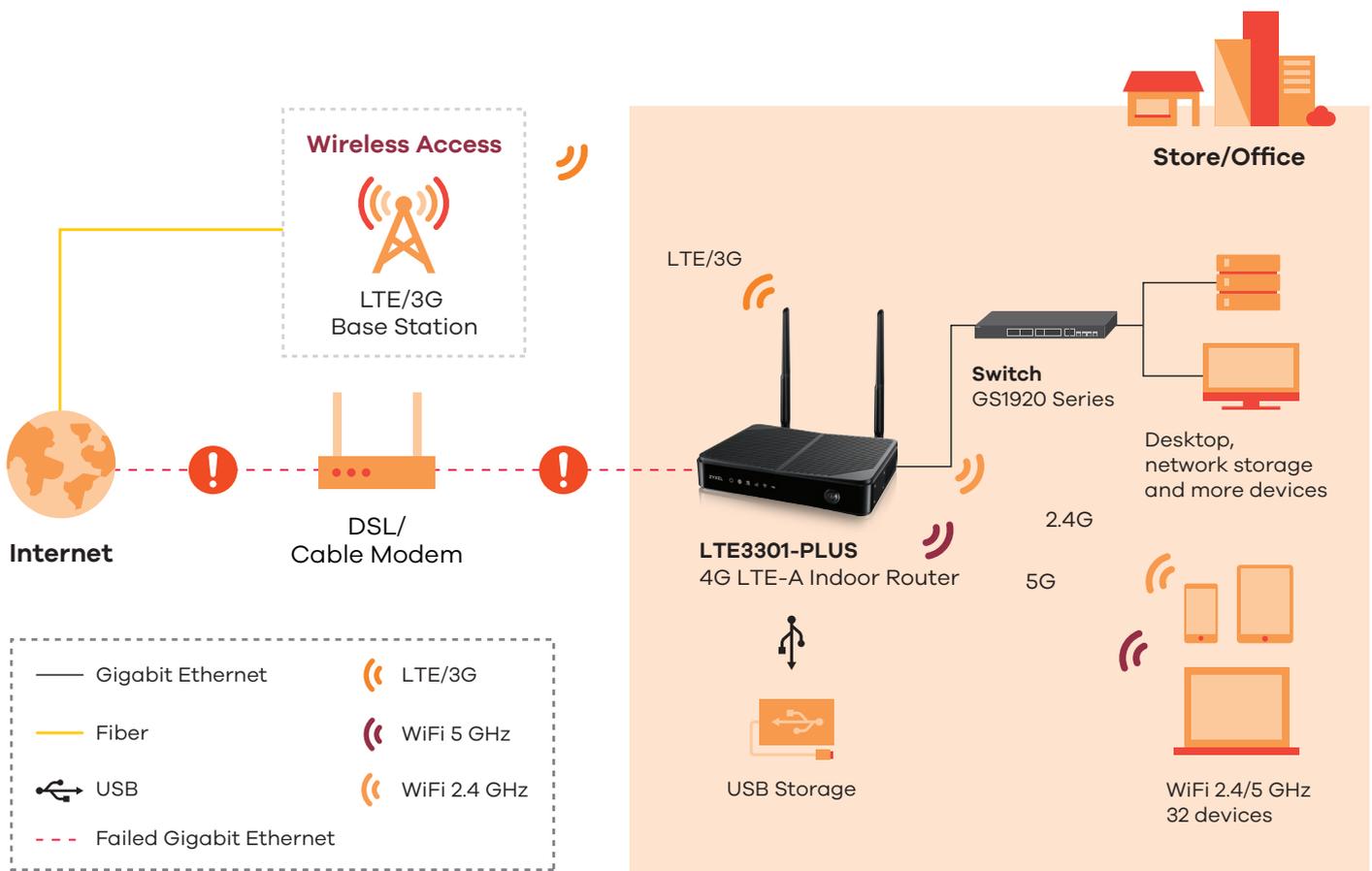
Getting the Most out of Your Network

Connect your legacy network devices, like computers, printers, NAS servers, or other devices to the LTE3301-PLUS on one of the 4 Ethernet ports. Work smoothly with high-end WiFi access points, gateways or more with the LTE3301-PLUS bridge mode support. Its WiFi can be used as a guest WiFi or office WiFi to share with 32 devices simultaneously. Effortlessly cater your business network needs throughout the day!

Application Diagram

Wireless Access

LTE/3G
Base Station

Internet

DSL/
Cable Modem

LTE/3G

LTE3301-PLUS
4G LTE-A Indoor Router

USB Storage

Switch
GS1920 Series

Store/Office

Desktop,
network storage
and more devices

2.4G

5G

WiFi 2.4/5 GHz
32 devices

——	Gigabit Ethernet	((	LTE/3G
——	Fiber	((	WiFi 5 GHz
⮌	USB	((	WiFi 2.4 GHz
- - -	Failed Gigabit Ethernet		

Interface description

LTE/3G antenna

LTE/3G antenna

WPS & WiFi On/Off Button

Micro SIM

USB
2.0

Ethernet
WAN port

GbE
LAN
ports

Reset

Power
button

Power jack

Specifications

System Specifications

IP Networking
- Cellular and Ethernet WAN failover and failback
- Support IPv4/IPv6 dual stack
- DHCP client/server
- VPN pass through (PPTP/IPSec and L2TP pass-through)
- Data roaming disable/enable
- IP firewall
- NAT/NAPT
- Port forwarding/DMZ
- DNS/DDNS
- Supports router mode/bridge mode (IP pass through)
- Primary WAN/secondary WAN management

WLAN Feature
- Auto channel selection
- WiFi Protected Setup (WPS)
- WiFi Multimedia (WMM)
- Security: none, WPA2-Personal
- MAC address filtering with 32 address supported
- Hide SSIDs
- Up to of 32 WiFi clients
- WLAN scheduling

Management
- APN management
- SIM PIN/PUK management
- Secure remote management via TR-069/Web GUI
- Network selection
- Operating frequency band selection

Hardware Specifications

LTE Air Interface
- Standard compliant: 3GPP Release 10 Cat. 6
- Support LTE band:
  1/3/5/7/8/20/28/38/40/41
- 2 Carrier Aggregation combination :
  - B1+B1/B5/B8/B20/B28
  - B3+B3/B5/B7/B8/B20/B28
  - B7+B5/B7/B8/B20/B28
  - B38+B38; B40+B40; B41+B41
- Peak data rate:
  - 300 Mbps DL within 40 MHz bandwidth (CA)
  - 50 Mbps UL within 20 MHz bandwidth

UMTS Air Interface
- Standard compliant: WCDMA band 1/3/5/8
- Supported frequency: HSPA+/UMTS 2100/1800/900/850 MHz (band 1/3/5/8)
- WCDMA : 2100/1800/900/850 MHz
- HSPA+ downlink data rate up to 42 Mbps
- HSUPA uplink data rate up to 5.76 Mbps

WiFi Air Interface
- Wireless standard (concurrent)
  - IEEE802.11 b/g/n, 2.4 GHz
  - IEEE802.11 a/n/ac, 5 GHz
- WiFi 2.4 GHz antenna: 2x2 internal antennas up to 3 dBi
- WiFi 5 GHz antenna: 2x2 internal antennas up to 5 dBi

Hardware Interface
- Four GbE RJ-45 LAN ports. LAN1 can be configured as Ethernet WAN port
- LEDs:
  - Power indication
  - Internet status
  - LTE/3G signal strength
  - WiFi status
  - USB status
- One WPS & WiFi On/Off button.
- One 3FF micro SIM card socket
- One Reset to default button
- One Power On/Off button
- One DC Power jack
- One USB 2.0 host port
- Two external LTE/3G antenna SMA connector

Power Specification
- External power supply: 110 - 240 V AC/12 V 1.5 A DC adaptor
- Power consumption at peak: < 18 W

Physical Specifications
- Item dimensions (WxDxH): 210 x 115 x 33 mm (8.27" x 6.06" x 1.57")
- Item weight: 500 g (1.10 lb)
- Packing dimensions (WxDxH): 293 x 234 x 57 mm (11.53" x 9.21" x 2.24")
- Packing weight: 1050 g (2.31 lb.)

Environmental Specifications

Operating Environment
- Temperature: -0°C to 40°C (32°F to 104°F)
- Humidity: 10% to 90% (non-condensing)

Storage Environment
- Temperature: -30°C to 70°C (-22°F to 158°F)
- Humidity: 5% to 95% (non-condensing)

Compliance & Certification
- CE/Safety
- WEEE
- 2011/65/EC (RoHS) Restriction of Hazardous Substances Directive
- Hazardous Substance Free (HSF)
- European Parliament and Council Directive 94/62/EC of 20 December 1994 on packaging and packaging waste

Package Contents
- Power adapter (12 V/1.5 A EU/US/UK plug)
- Ethernet cable
- External antenna x2
- Quick start guide
- Warranty card
- CE DoC
- Safety warning

* The maximum wireless data transfer rate is derived from IEEE Standard 802.11 and 3GPP specifications close to AC1200. Actual data transfer rate will vary from network environment including: distance, network traffic, building site materials/construction, interference from other wireless devices, and other adverse conditions.

Nebula LTE3301-PLUS License Pack
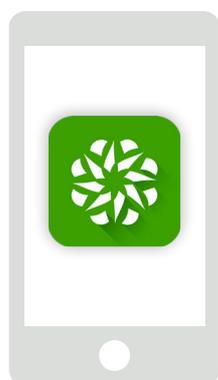
* Only available for **Nebula LTE3301-PLUS** model.

Nebula offers flexible options that match your requirements, whether you are looking for a complimentary option giving you some peace of mind at no extra costmore control over your network updates and visibility, or even the most advanced management of cloud networking, Nebula is here to help you. The plan you choose will determine the service level of Nebula Cloud.

Feature Name	Base Pack	Plus Pack	Pro Pack
Unlimited Registration & Central Management (Configuration, Monitoring, Dashboard, Location Map & Floor Plan Visual) of Nebula Devices	●	●	●
Over-the-air Firmware Management	●	●	●
Admin Accounts per Organization (Full Access for Administration Rights)	5	8	No Limit
Advanced Firmware Scheduling (Org/Site/Device)		●	●
Automatic Network Topology (Visual and Actionable)		●	●
Email users and alert Notifications		●	●
Organizational User Audit / Change Logs			●
Backup/Restore Configuration			●
Priority Nebula Support Request (Direct NCC incl. Web Chat)			●

* Only available for Nebula LTE3301-PLUS model
** Search Nebula Control Center for more Nebula license plan

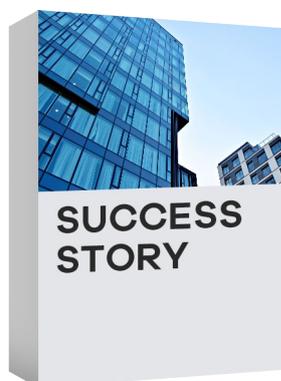## Nebula Mobile App

Nebula Mobile

Available on the iPhone App Store

GET IT ON Google Play

* Only available for Nebula LTE3301-PLUS model

Success Story

SUCCESS STORY

Ordering Information

Model	Part Number	Description
LTE3301-PLUS	LTE3301-PLUS-EU01V1F	4G LTE-A Indoor Router
Nebula LTE3301-PLUS	LTE3301-PLUS-EUZNN1F	Nebula cloud-managed 4G LTE-A Indoor Router

For more product information, visit us on the web at www.zyxel.com

CE EHC RoHS

21/12/21

Datasheet LTE3301-PLUS