

<h1> Portable LTE modem grants freedom </h1>

World wide Net helps many professions: copywriters, designers, market researchers, sales representatives, real estate agents or independent consultants, and influences all spheres of people's lives: education, work, business, traveling, entertainment, hobby, self-improvement.

Commitment to work can compete with addiction to social nets, news, gambling, betting, online dating; both needs' satisfaction is impossible without an Internet connection. That's why Internet providers are constantly developing and improving their services to correspond to growing users' demands. Everyone is eager to have fast, safe and value for money Internet spot. A [portable LTE modem can realize these musts for any professionals](#).

<h2> Modem, hotspot and router</h2>

If you are a freelancer, an obsessed traveler, a business person, or a team leader, who has an intention to organize comfortable, cutting-edge working conditions for the colleagues, you should install the high-speed trusty network. Browsing the Internet looking for appropriate solutions, there are many offers with modems, routers, and hotspots, which can be the components of any net.

Their main features:

- 1) Router is a distributor and rubbing center of the web to some devices;
 - 2) Traditional hotspot is a place, in which Internet access is obtained usually through Wi-Fi due to WLAN (wireless local-area network) and router. Such hotspots are used in airports, cafes, hotels, and malls;
 - 3) Modem is a hardware device, which provides the network with an Internet connection via wireless: Fiber Optic (FiOS), phone lines, cable (Coax) or (Satellite, Wimax or LTE).
- Besides already existed wireless connecting devices, [Nect modem](#), pending for its launching in October 2020, can be distinguished for: its usability, safety, and world-width coverage of 208 countries.

<h2> What is LTE and how it works? </h2>

LTE abbreviation means [Long Term Evolution](#). This modern technology ensures wireless high-speed connection by means of mobile and Internet networks. LTE was developed due to the cellular carriers' cooperation, which started in Japan in 2004. At the end of 2009 standard LTE USB modem was presented in Sweden and Norway. Since 2010 the LTE supporting devices were produced in the USA and Canada.

According to up and downlink [LTE-support studies](#): data rates 5-50 Mbps (download), 1-20 Mbps (upload) in the USA.

4th-generation communications stand for two standards: Wimax and LTE. The first technology appeared earlier, but now it is less demandable, because it works on the basis of its own less efficient equipment. LTE is gradually replacing Wimax, based on it, GSM and UMTS stations are being deployed. HSPA+ is the second LTE competitor in 4G technology.

Today's LTE is often called 4G LTE or Advanced 4G. LTE-Advanced as 5G is forthcoming, it's not in wide use now (only in the USA and some parts of Asia), nevertheless this term is frequently operated in press and web industry all over the world.

Now iPhones 5 and many tablets have the built-in LTE support. Portable LTE modems are necessary for laptops, regular and desktop computers. Having LTE on the phone, it's possible to tether some devices but the performance will be limited, the other drawbacks are: quick drain of the battery and dropping the signal. It becomes obvious that WiFi range efficacy and quality are better in portable 4G LTE modem, than in the iOS gadgets.

LTE is almost wireless magic, but still, it is dependable on the provider's connection speed and the actual conditions of the Internet traffic.

<h2>Advantages of portable LTE modem usage </h2>

Every new challenge, set to society, makes people adapt to reality. Worldwide spread [Corid-19 teaches to be more flexible](#) and accept distant way of working. With reliable LTE connection, you'll be able to manage at once any working issues, without postponing them because of troubleshooting web, during the quarantine, further business trips or journeys.

Portable LTE modem ensures high-speed that is so urgent, if you are working-at-home parent, saving every hour, full of household and business matters.

Although, for someone free and even working time can be eaten by social networks or online entertainment. It's up to you how to use the benefits of the portable LTE modem: whether to waste your time or improve your skills and earn money.

There is plenty of information about well-known portable LTE modems brands, such as: ZyXel, Huawei, Tenda, TP-LINK, or Xiaomi.

To restore a balance, we'll share useful data about a new portable LTE [Nect modem](#):

- Attached to a laptop with an adhesive magnetic sticker;
- Works only, when it's plugged into the turned-on laptop or another power source;
- Has a built-in Firewall and VPN, but you can install your own VPN as well;
- No disconnection or low bandwidth;
- Affordable, as you pay for the web, when you need it, without contract obligations;
- No battery inside it;
- The top download speed is not capped, but the final one is contingent on the local provider;
- Its hardware supports up to 150 Mbps;
- Provides 2.4 GHz and 5 GHz WiFi;
- Compatible with Windows, macOS, and Linux: it's possible to use any router, after uploading Nect modem's drivers to it;
- Equipped with USB-C to USB-A cable, USB-C to USB-C/Thunderbolt 3 cable (for users of the latest MacBooks);
- Can be powered: by a power bank or wall converter, also directly from a laptop;
- Supports eSIM, but neither WiFi 6, nor external antennas;
- Provides the WiFi hotspot function that, after turning it on, allows to share connection with 10 devices;
- 5G modem version is going to be launched in a year.

<h2>Security of the portable LTE modems </h2>

Stop risking your privacy, using public WiFi for online banking or purchasing. Any private data, which is related to any person's online activity, can be collected: photos, location, purchases, financial transactions. It's important to protect confidential information from Cyber intruders and minimize a hacking attack probability.

The portable LTE [modems provides the secure Internet connection](#):

- Such modems are often equipped with extra security functions, such as: blocking of banned web or IPs addresses;
- Some portable LTE modems have a built-in VPN, considered to be the safest cyber practice.

<h3>Virtual Private Network</h3>

A VPN allows you to create a secure connection to another network via the Internet. Due to a VPN, a tablet, a smartphone, or a PC are connected to a server (another computer), receiving its access anywhere on the web. In the donor's device will be geolocation data of the server's country.

This switching access technology ([VPN](#)) gives the users an opportunity:

- to be connected to a home or business networks, whereas traveling;
- to be protected, while working via public WiFi hotspots;
- to control access of unauthorized users;
- to bypass geographic limitation;
- to find required online content on the sites that are blocked for the user's location;
- to download faster files, using BitTorrent.

Express VPN is recommended for its great server speeds, efficient and clear functionality: can include users for almost any device.

If your modem is not equipped with VNP, follow these recommendations to be safe online 24/7:

- Generate difficult passwords, don't save them in any search engine;
- Apply an authentication procedure, consisting of 2 parts, especially for public webs;
- Don't browse suspicious sites;
- Give preference to encrypted HTTPS connectivity, avoid HTTP links.
- Your interactive security depends only on you and your well-thought-out selection of the portable LTE modem.

<h2>Conclusion</h2>

4G LTE modems are popular due to their safety, reliability, compactness, and high speeds. Modern models are suitable for tablets, laptops, desktops, TVs, and game consoles. Such small portable devices support work in the national and foreign operators' networks, with bandwidth of up to 150 Mbps.

Over pocket modem is a convenient decision for remote work at home or in the fresh air during the COVID-19 and after it. Choosing the Nect portable LTE modem, you'll receive both an affordable web connectivity and an Internet back up plan.

Portable LTE modem gives you mobility: long cord and additional devices stayed in the past. You can build the Internet plan for your family members, friends, or employees according to your common goals, keeping in touch anytime and everywhere without the necessity to use unsecured public wifi. A portable modem with VPN is a powerful tool for corporate and personal data protection.