

FRITZ!Box 6810 LTE



A smooth start to home networking with LTE broadband wireless

The FRITZ!Box 6810 LTE makes high-speed Internet available everywhere no fixed-line connection is available. Small and compact, it is the perfect solution for starting out with home networking over LTE radio. As simply and conveniently as any FRITZ! product, the FRITZ!Box 6810 LTE connects all devices securely with each other and with the Internet. Modern WLAN N provides for maximum speed and range in wireless surfing and networking.

Further features include an integrated DECT base station for up to 6 cordless telephones and an analog line for telephone, fax or answering machine. No fixed line at all is needed, since the FRITZ!Box 6810 LTE supports telephone calls over LTE (Voice over LTE). And thanks to the integration of iPhones and Android smartphones over WLAN, in the home network calls over the Internet can even be made using a mobile phone. FRITZ!OS rounds out the package with a slew of functions for the Internet and networking. Among these are MyFRITZ!, VPN, WLAN night service, child protection features, firewall and much more.

FRITZ!Box 6810 LTE – a multiple award winner: avm.de/awards_en

Highlights at a Glance

- Fast Internet over LTE broadband wireless with integrated LTE modem
- WLAN N router for up to 300 Mbit/s in the 2.4-GHz band
- DECT base station for up to 6 cordless telephones including answering machines
- Easy connection of IP telephony (VoIP)
- Fast Ethernet port for PC, game consoles and other network devices
- FRITZ!OS with MyFRITZ!, cloud contacts and more
- FRITZ!App Fon: Integrates iPhone and Android smartphones wirelessly in the home network
- Simple setup over the browser interface

connect

ct

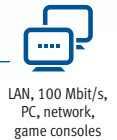
PCgo



notebook, PC, smartphone, video/TV streaming



FRITZ!Fon or other DECT telephones



Technical Features

LTE Functions

- LTE category 3 modem (3GPP release 8)
- Rates of up to 100 Mbit/s for downloads and up to 50 Mbit/s for uploads
- Dual-band support: band 20 (791 - 862 MHz, FDD, "digital dividend") and band 7 (2,500 - 2,690 MHz, FDD)
- Supports the channel bandwidths 5, 10, 15 and 20 MHz
- MIMO receiver technology (Multiple-In-Multiple-Out antenna technology)
- Integrated LTE antennas

Router Functions

- Firewall/NAT, DHCP server, DynDNS client, UPnP
- Setup in web browser, independent of operating system, allows use with Windows, Mac OS, Linux and other computers
- Stateful Packet Inspection Firewall with port forwarding for secure web surfing
- Secure remote access over the Internet with VPN (IPSec)
- Child protection and filter lists
- Remote maintenance via https

Telephony Functions

- Telephone systems with DECT base station for up to 6 cordless telephones
- Voice transmission encrypted upon delivery for greater security
- DECT button for registering cordless telephones and to page handsets
- Supports HD telephony for natural sound
- LTE bandwidth management: calls and surfing in optimum quality
- DECT Eco for optimum performance at minimum power consumption
- 5 integrated answering machines featuring voice-to-mail
- Fax reception with e-mail forwarding (fax-to-mail)
- Comprehensive telecommunications functions like call diversion, internal calls, three-party conferences, call transfer, call blocking, alarm, baby monitoring, VIP calls, and Do Not Disturb
- Internet telephony SIP-compliant in accordance with RFC 3261
- Registration of IP telephones (LAN/WLAN) SIP-compliant
- Telephony app (WLAN) for Apple iPhone with iOS 4 or higher, Google Android 2.1 or higher

WLAN Functions

- WLAN radio network compliant with 802.11n (up to 300 Mbit/s*), downward compatible to WLAN 802.11g or b
- Individual WLAN encryption preconfigured with WPA2
- WLAN encryption with WPA2, WPA/WPA2 mixed mode, WEP-64 or WEP-128
- WLAN pushbutton (to switch WLAN on/off manually)
- Wi-Fi Protected Setup (WPS) for safe WLAN connections at the touch of a button or by entering a PIN
- WLAN Eco for optimum performance at minimum power consumption

FRITZ!OS

- fritz.box: clearly laid out user interface – for intuitive operation via Web browser
- Using MyFRITZ! you can access your own FRITZ!Box securely from anywhere
- Sharing of existing Internet connection over LAN or WLAN (guest access)
- Wake on LAN over the Internet
- WLAN telephone calls in the home network with iPhones and Android smartphones
- Optimized FRITZ!Box interface for smartphones and tablets
- Telephone book with names, telephone numbers, quick-dial numbers and print function
- Automatic synchronization of the online telephone books (Google, GMX and WEB.de) with the FRITZ!Box telephone book
- Overview in home network, expert mode, help functions with full-text search and much more
- New functions provided in free updates: avm.de/fritzos

Ports and Interface

- Integration into the LTE broadband network with LTE-SIM card
- 1x Fast Ethernet (10/100 Base T, RJ45 jack) for PC, game console, network, IP telephone
- WLAN N access point (IEEE 802.11n, g, b in the 2.4-GHz band) for PC, notebook, tablet, smartphone
- DECT base station for up to 6 cordless telephones

Properties

- Dimensions (w x h x d): approx. 64 x 99 x 134 mm
- Supply voltage: 230 V / 50 Hz
- Average power consumption: under 6 watts

Support

AVM's service includes comprehensive service portals, regular free updates and e-mail support.

Highly Recommended

The IT press has repeatedly commended FRITZ! products for their user friendliness and high security standards.

* Gross value. The user data rate that can actually be achieved is somewhat below the specified values.

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