

# FRITZ!Box 7682



## Next-generation performance: The FRITZ!Box for G.fast

The FRITZ!Box 7682 is a device for G.fast internet. Equipped with the combination of innovative Wi-Fi 7 and proven Wi-Fi 6, the FRITZ!Box 7682 guarantees Wi-Fi connections with transmission rates of up to 6960 Mbit/s. Thanks to advanced technology, now even more users can easily use the home network concurrently.

With an integrated 2.5-gigabit WAN/LAN and 1 x 2.5-gigabit LAN as well as 2 x 1-gigabit LAN ports, the 7682 is also ideal for operation behind a fibre optic modem (ONT).

Of course, the FRITZ!Box 7682 also features integrated telephony functionality with its analogue port and by offering an integrated DECT base station.

The FRITZ!OS operating system makes it easy to integrate and control these devices. In addition, the highest security standards (WPA3/WPA2) ensure increased protection.

## Product highlights

-  Supports G.fast for up to 1000 Mbit/s and every DSL connection for up to 300 Mbit/s
-  Innovative Wi-Fi 7 + Wi-Fi 6: High-speed Wi-Fi up to 5760 Mbit/s + 1200 Mbit/s
-  Integrated smart home base with DECT ULE
-  Mesh Wi-Fi: an intelligent Wi-Fi system for the home network
-  FRITZ!OS: Media server, NAS, MyFRITZ!, auto update



## Technical specifications

### Interfaces

- Wireless router with integrated xDSL modem
- Supports G.fast lines up to 1000 Mbit/s and VDSL lines up to 300 Mbit/s and ADSL2+
- Router can be used with a fiber optic or cable modem, as well as with a mobile network dongle
- 1 x 2.5 G WAN/LAN, 1 x 2.5 G LAN, 2 x G LAN
- Stateful Packet Inspection Firewall with port sharing for secure surfing
- Parental controls with time budget, youth protection module, blacklist and whitelist
- Complete support for IPv6 in the internet, home network and for telephony
- Secure remote access over the internet with VPN
- Security wizard with diagnostic tool and auto updates

### Wi-Fi

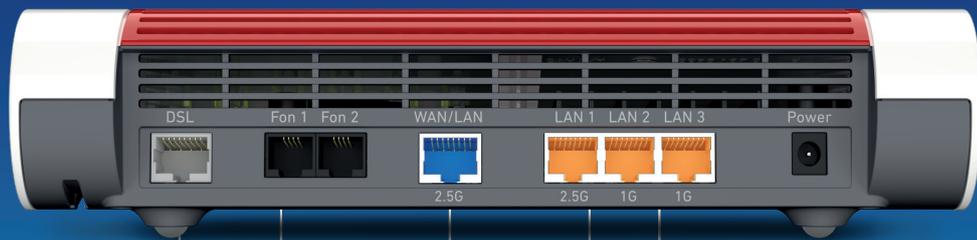
- 4 x 4 Wi-Fi access point with Wi-Fi 7 up to 5760 Mbit/s (5 GHz) and Wi-Fi 6 up to 1200 Mbit/s (2.4 GHz)
- Extend the home network with Mesh Wi-Fi – simply combine several wireless access points into one intelligent system
- Compatible with IEEE 802.11a/g/n/ac/ax/be
- Wi-Fi network encryption with WPA3/WPA2
- Wi-Fi can be turned on and off via button, connected telephones, or schedule
- Wi-Fi guest access – secure surfing for guests
- Can be mounted on a wall or table/desk

### WAN/LAN

- Internet access via 2.5G Ethernet port; can be used as WAN or LAN port (switchable)
- LAN 1: 2.5 gigabit Ethernet, 10/100/1000 BASE-T and 802.3bz-2016 (NBase-T), 2.5 Gbit/s
- LAN 2 + 3: Gigabit Ethernet, 10/100/1000 BASE-T, 1 Gbit/s

### Telephony / DECT

- Telephone system with DECT base station for up to 6 cordless telephones, 10 FRITZ!DECT 200/210 smart plugs, 10 FRITZ!DECT 440/400 switches, 12 FRITZ!DECT 300/301/Comet DECT radiator controls, 10 smart home devices from third-party manufacturers with HAN FUN
- Support for SIPTLS and SRTP
- SIP ALG
- Answering machine and fax
- 5 integrated answering machines featuring voice-to-mail
- Comprehensive telecommunication functions such as call diversion, internal calls, three-party conferences, call transfer, call blocking, alarm, baby monitor, VIP calls, Do Not Disturb, and caller ID display
- Internet telephony SIP-compliant in accordance with RFC 3261
- Registration of IP telephones (LAN / SIP-compliant)
- Telephony app for Apple iPhone and Google Android
- Integrates iPhone and Android smartphones into the home network via Wi-Fi and enables landline and internet telephony



## Network

- IR-069 (TR-069/104/140) support including documentation of the data model in accordance with the Broadband Forum TR-106
- TR-369 support for real-time monitoring with multi-controller support including rights management
- Speed test via iPerf and TR-471 (depending on the platform)
- SPI firewall, DoS protection
- IPv6 and IPv4 dual stack including DS Lite with PCP support
- 802.1Q support for WAN connections
- Multiservice (e.g. HSI, VoIP, TR-069, IPTV) WAN connection type with PPPoE, DHCP, static IP, bridging encapsulation
- Public subnet configuration (up to /28) for addressing clients publicly in the LAN
- Exposed Host / Port Forwarding
- VPN support (IPSec and WireGuard), VPN passthrough
- No vendor lock-in. Platform and data remain with ISP (Internet Service Provider)
- ACS-URL via DHCP Option 43, or PPPoE (Zero Touch operation launch)
- IGMP proxy (v3 and backward)
- DNSSEC and eDNS0 support

## FRITZ!OS

- FRITZ!Box: a clear, browser-based user interface that's easy to use
- User interface protected by device-unique preconfigured password
- Sensitive user settings protected by 2FA including support for authenticator apps
- Multilingual user interface
- With MyFRITZ! your FRITZ!Box can be accessed securely from anywhere
- Convenient features such as parental controls, push service, cloud contacts, online storage
- Wake on LAN over the Internet
- Wi-Fi telephone calls in the home network with iPhones and Android smartphones
- FRITZ!Box interface specially designed for smartphones and tablets
- Home network overview, help functions with full-text search and much more
- New features provided in free updates: <https://fritz.com/en/pages/fritz-os>
- Free FRITZ!Apps for telephony, smart home, access to the FRITZ!Box from on the go, and optimizing the Wi-Fi connection

## Device Properties

Dimensions in mm (W x H x D):

250 x 184 x 69 mm

# FRITZ!

## Why?



**Direct contacts in Sales, PreSales, and Engineering**



**Training sessions with FRITZ! staff for engineering and support**



**Technical support (also on site) and sales consultation**



**In-house hardware and software development in Berlin**



**Real-time monitoring with the open TR-069 & TR-369 standards**



**Regular updates with security as top priority**

### FRITZ!OS

FRITZ!OS is the genius of the FRITZ! family. With this smart operating system, the FRITZ! team opens up a broad spectrum of possibilities in your customers' home networks. Your FRITZ!Box uses the most advanced technologies while providing for the right balance between exciting features and simple operation.

### Software updates

FRITZ!OS, our router operating system, is updated regularly to implement new features and to guarantee long product life cycles. And all updates are offered to our customers free of charge.

### Device management

The FRITZ!Box supports not only OMCI management but also offers comprehensive support for TR-069 and USP (TR-369), right out of the box. The use of open standards puts a broad palette of ISP-relevant management parameters at your disposal, no matter which technology you use.

### Eco design

FRITZ! products are characterized by low power consumption and configurable energy-saving modes. Production in Europe means short transport routes, secure labor conditions, and the use of environmentally sustainable materials. Many years of software updates with expanded functions, bug fixes, and security updates ensure long life cycles.

### Product quality

Developed and produced in Germany and Europe, our FRITZ!Box fulfills its market promise to its end customers, by ensuring proven reliability with success in the field. Before being launched on the market, the products run through extensive lab phases which offer customers the opportunity to evaluate new features in advance.

### An all-in-one device

A FRITZ!Box is a joint router, installed directly at the internet connection. This saves power, while ensuring convenient operation and simplifying device management. Internet, Wi-Fi, streaming, telephony, smart home, and much more – combined in a single device.