

NEW: FRITZ!Box 6850 5G v2 Edition International

The ideal introduction to home networking with 5G mobile network

Dear business partner,

The FRITZ!Box 6850 5G Edition International brings 5G mobile internet with speeds of up to 1 Gbit/s to the wireless home network. Four gigabit LAN ports allow additional devices to be connected directly. It is also ideally suited for use as a fallback protection device (FRITZ! Failsafe) with an existing FRITZ!Box with integrated modem and FRITZ!OS 8.20 or higher so that you can still access the internet and use Wi-Fi in the event of disruption.

Mobile high-speed internet with 5G

The mobile network modem integrated into the FRITZ!Box 6850 5G is suitable for standalone 5G and non-standalone 5G, and is also backward compatible to 4G/3G. Depending on the availability of the signal, the FRITZ!Box switches flexibly between the 5G, 4G, and 3G networks. This way users always benefit from optimal speeds. The intelligent alignment aid in the FRITZ!Box 6850 5G help determine the best location for the router and the ideal orientation for external mobile network antennas.

Fast Wi-Fi AC+N with Mesh convenience

FRITZ!Box 6850 5G with dual Wi-Fi (2.4 GHz N + 5 GHz AC) provides fast, stable connections for multiple devices operating simultaneously. As a Mesh Master, it combines the FRITZ!Box with extenders and other devices into an intelligent Wi-Fi network and actively controls the access points. Mobile clients switch automatically to the best access point without interrupting applications that are running.

Versatile smart home and convenient telephony

Smart home devices like the FRITZ!Smart Thermo 302 radiator control are controlled via the integrated DECT base station. An analogue phone and up to six DECT cordless phones (e.g. FRITZ!Fon) can be registered with the integrated phone system. Calls are conducted using the SIM card's mobile phone number over VoLTE/VoNR, or alternatively via VoIP/SIP with encryption. Via Wi-Fi, even smartphones can be transformed into full-service VoIP phones. Multiple integrated answering machines, local phone books and online phone contacts, and a slew of convenience features round out the broad telephony palette.

Overview of FRITZ!Box 6850 5G Edition International

Mobile network, internet, and telephony

- Mobile router for 5G/4G/3G
- Internet connection via 5G or 4G with up to 1 Gbit/s
- Internet connection alternatively via Wi-Fi hotspots
- Mini-SIM card slot
- Alignment aid for optimal positioning in relation to the mobile network cell
- Suitable for all common mobile networks in Europe
- Telephony is over the mobile network (VoLTE/VoNR) or via VoIP/SIP with encryption
- Roaming support
- Detailed information on the quality of the mobile network connection
- Average energy consumption: 6 W, max. 18 W

Wi-Fi

- Wi-Fi AC + N (dual-band) up to 866 Mbit/s and 400 Mbit/s (5 and 2.4 GHz)
- Extend the home network with Mesh Wi-Fi – simply combine several wireless access points into one intelligent system
- Secure Wi-Fi encryption in accordance with the WPA3/WPA2 standard
- Simple, secure registration of new wireless devices in the home network at the push of a button (WPS)
- Wi-Fi can be turned on and off – by means of a button, a schedule or a phone
- Convenient, secure Wi-Fi guest access without access to the private home network

Network

- Optimized for video streaming and IPTV
- MyFRITZ! – secure access to the FRITZ!Box from anywhere
- Stateful Packet Inspection firewall with port sharing for secure surfing
- Comprehensive parental controls
- Complete IPv6 support
- Simple setup in the browser-based interface with a computer, smartphone or tablet
- Security wizard with diagnostic tool and automatic updates
- Secure remote access over the internet with VPN (IPSec and WireGuard)

FRITZ!OS

- Multi-language user interface (DE, EN, ES, FR, IT, NL, PL)
- New functions constantly added with regular updates; always up to date with the optional automatic update function
- FRITZ! Failsafe: Ideal fallback protection device on a FRITZ!Box for DSL, cable or fiber optic connections (starting with FRITZ!OS 8.20)

Interfaces

- 4 gigabit LAN ports for computers, TVs, and other network devices
- 1 USB 3.0 for storage media (NAS) and network printers
- 1 analogue phone connector

Package contents

- FRITZ!Box 6850 5G v2 Edition International
- External mobile network antennas
- Power adapter
- LAN cable, 1.5 m
- Quick guide in DE, EN, ES, FR, IT, NL, PL
- FRITZ! Notes

Product information

Article number:	20003181
EAN:	4023125031816
Weight of FRITZ!Box:	566 g
Dimensions (W x H x L):	200 x 152 x 45 mm
Total product weight:	739 g
Dimensions of box (W x H x L):	265.5 x 185 x 69 mm
Manufactured in:	Poland
Manufacturer's warranty:	5 years

Marketing materials

Our marketing materials are available for you to download from the Content Portal: content.fritz.com
Once you have registered, your access will be activated, usually within 24 hours. You will then have unrestricted access to the portal.

Orders can be placed immediately!

We wish you every success for the launch of the new FRITZ!Box 6850 5G v2 Edition International.