



Technical Specifications

Interfaces

Internet access with VDSL (including supervectoring) or ADSL2+

All-IP telephony

4 x gigabit LAN (10/100/1000 Base-T)

1 x gigabit WAN port for connections on cable/DSL/fiber optic modems or to the network

Wireless access point compliant with IEEE 802.11ax, ac, n, g, a

2 x USB 3.0 ports for printers and storage media

DECT base station for up to six handsets

2 a/b ports (either TAE/RJ11) for connecting analog telephones, answering machines and fax

Internet

Wireless router with built-in modem for all DSL connections

Stateful Packet Inspection Firewall

Supports VDSL connections up to 300 Mbit/s (including supervectoring) and ADSL2+.

Supports VDSL Long Reach

Compatible with Annex-J lines from Deutsche Telekom

Use of existing internet connections via LAN

Router operation with a cable modem, fiber optic connection or 3G data dongle (LTE/UMTS/HSPA)

with port sharing for secure surfing

NAT, DHCP server, DynDNS client, UPnP AV

Supports IPv6 for internet, home network and telephony

Secure remote access over the internet with VPN (IPSec)

Parental controls with time budget, youth protection module

Wi-Fi

Wi-Fi 6 up to 2400 Mbit/s (gross) at 5 GHz and 1200 Mbit/s (gross) at 2.4 GHz

Wi-Fi 5 up to 1733 Mbit/s (gross) at 5 GHz and Wi-Fi 4 up to 800 Mbit/s (gross) at 2.4 GHz

Compatible with IEEE 802.11g and a wireless standards

4 x 4 multi-user MIMO

Extend your home network with [Mesh Wi-Fi](#) via a LAN connection – simply combine two or more wireless access points into one intelligent system.

Wi-Fi can be turned on/off via "WLAN" button and/or connected telephones

Wi-Fi Protected Setup (WPS)

Wi-Fi guest access – secure surfing for friends and visitors

Wi-Fi auto channel: Automated search for Wi-Fi channel free of interference

Wi-Fi Eco for optimum performance at minimum power consumption

Secure upon delivery with WPA2 encryption, WPA3/2 transition mode is also available

AVM Stick & Surf: automatic security for cable-free surfing

Telephony

Telephone system for All-IP connections with DECT base station for up to six cordless telephones

Voice transmission encrypted upon delivery

2 a/b ports (either TAE/RJ11) for connecting analog telephones, answering machines and fax

Supports HD telephony for natural and clear sound

DECT Eco: Frequency channel switches off for maximum ergonomics

Five integrated answering machines featuring voicemail-to-email

Manage telephone contacts locally or online (Google, Apple iCloud etc.)

Fax function including email forwarding (fax-to-email)

Call diversion, internal calls (intercom), three-way conferencing, call transfer

Call blocking, alarm, baby monitor, VIP calls and Do not Disturb

Internet telephony SIP-compliant in accordance with RFC 3261

Register IP telephones (LAN/WLAN) SIP-compliant

[FRITZ!App Fon](#) for landline calls via your smartphone

Home network convenience

Media server makes music, pictures and videos available to

Wi-Fi guest access – secure surfing for friends and customers

devices in the home network (DLNA, UPnP AV)

MyFRITZ! – access your own FRITZ!Box safely, no matter where you are

FRITZ!NAS: memory shared by all data in the home network

Platform for networked applications such as IP TV, video on demand and media streaming, thanks to the powerful dual-core processor

Parental controls, push service, cloud contacts, online storage

Wake on LAN over the internet

Supports DLNA-compliant devices

Smart Home features integrated in the user interface

LEDs can be dimmed manually or based on room brightness

FRITZ!OS

"fritz.box": multi-language user interface, for intuitive operation via Web browser

User interface optimized for smartphones and tablets (responsive design)

Free updates for new functions and security

Advanced view for special configuration options, help function with full-text search

Handy FRITZ!Apps for your

Smart Home features integrated in the user interface

Smart Home support for DECT ULE/HAN FUN devices

Smart Home devices can be switched manually and automatically both in the home network and from the Internet

smartphone: [MyFRITZ!App](#) for FRITZ!
convenience on the go, the clever Wi-Fi helper [FRITZ!App WLAN](#) and [FRITZ!App Smart Home](#) for intuitive control of your FRITZ! Smart Home

Package contents

FRITZ!Box 7590 AX	1.5 meter-long LAN cable
Power adapter with 1.5 m long cable	Quick guide
4 meter DSL cable	TAE/RJ11 adapter

Device properties

Dimensions (W x H x D): 254 x 63 x 191 mm

Average power consumption: 14 - 16 W

Warranty

5-year manufacturer's warranty for end customers, as per the warranty conditions

Article number

20002999