



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

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)

Stateful Packet Inspection Firewall with port sharing for secure surfing

NAT, DHCP server, DynDNS client, UPnP AV

Supports IPv6 for internet, home network and telephony

Secure remote access, LAN-to-LAN linkup and dial-in to the company network with VPN (WireGuard and 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 MIMO

Extend your home network with Mesh Wi-

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

Fi via a LAN connection
– simply combine two
or more wireless
access points into one
intelligent system.

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

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

minimum power
consumption

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 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

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

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

Handy FRITZ!Apps for your smartphone:

Help function with full-text search

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

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

Power adapter with 1.5
m long cable

4 meter DSL cable

1.5 meter-long LAN
cable

Quick guide

TAE/RJ11 adapter

Device properties

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

Average power
consumption: 14 - 16 W

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