



## Technical specifications

### Interfaces

For the VDSL or ADSL line

Analog or ISDN landline according to 1TR112/U-R2

Compatible with Annex-J lines

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

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

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

2 x USB 3.0 port for printers and storage media

DECT base station for up to 6 handsets

Internal S0 bus to use ISDN phones or telephone systems on an IP-based connection

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

## Internet

DSL router with firewall/NAT, DHCP server, DynDNS client, UPnP AV

VDSL or ADSL line with optional analog or ISDN landline network compliant with 1TR112/U-R2

Supports 300 Mbit/s VDSL connections, including supervectoring

Use of existing Internet connections via LAN and wireless LAN

Router operation even at a cable modem, fiber optic connection or with a mobile communications dongle (LTE/UMTS/HSPA)

Supports IPv6 for Internet, home network and telephony

Stateful Packet

Inspection Firewall with port sharing for secure surfing

Secure remote access over the Internet with VPN (IPSec)

## Wi-Fi

4 x 4 Wireless AC + N with Multi-User MIMO

Wireless AC (up to 1733 Mbit/s gross, 5 GHz) and N (up to 800 Mbit/s gross, 2.4 GHz)

With Mesh WiFi you can combine several wireless access points into one intelligent system (FRITZ!OS 6.90 and later) Find out

Wireless LAN can be turned on and off via button and connected telephones

Wi-Fi Protected Setup (WPS)

Wireless guest access – secure surfing for friends and visitors

Wireless network range extended through repeater function

more  
at [en.avm.de/mesh](https://en.avm.de/mesh)

Compatible with  
Wireless 802.11g, b  
and a

Secure upon delivery  
with WPA2 encryption

AVM Stick & Surf:  
automatic security for  
wireless surfing

Wireless auto channel:  
Automated search for  
wireless LAN radio  
channel free of  
interference

Green AP mode for  
optimum performance  
at minimum power  
consumption

## Telephony

Telephone systems  
with DECT base station  
for up to 6 cordless  
telephones

Voice transmission  
encrypted ex works

ISDN S<sub>0</sub> bus for  
connecting ISDN  
telephones/ISDN  
telephone systems

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

Supports HD telephony  
for natural sound

DECT Eco: Radio  
network switches off  
ergonomically

Five integrated  
answering machines  
featuring voice-to-mail

Manage telephone  
contacts locally or

Fax function including  
e-mail forwarding (fax-  
to-mail)

Call diversion, internal  
calls, three-party  
conferencing, call  
transfer

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

Internet telephony SIP-  
compliant in  
accordance with RFC  
3261

Registration of IP  
telephones (LAN/WiFi)  
SIP-compliant

Telephony app (WiFi)  
for Apple iOS 4 or  
higher, Google Android  
2.1 or higher

online (email providers)

## Convenience for the home network

Media server makes music, pictures and videos available to devices in the home network (DLNA, UPnP AV)

MyFRITZ! lets you 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 like IP TV, video on demand and media streaming, thanks to the powerful dual-core processor

Parental controls, push service, cloud contacts, online storage

Wireless guest access – secure surfing for friends and customers

Wake on LAN over the Internet

Supports devices compliant with DLNA

Smart Home features for measuring and switching integrated in the user interface

LEDs can be dimmed manually or depending on the brightness in the room

## FRITZ!OS

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

User interface optimized for smartphones and tablets (responsive design)

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

Free updates for new functions and security

automatically both in the home network and from the Internet

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

FRITZ!Apps for connecting to Wi-Fi, telephone calls in the home network, file access from on the go and more (Android and iOS)

## Package contents

FRITZ!Box 7590

1.5 meter LAN cable

Power supply unit with 1.5-meter cable

Quick guide

4-meter DSL-telephone connecting cable

## Device properties

Dimensions (W x H x D):  
250 x 48 x 185 mm

Average power consumption: 9 - 10 W

## Warranty

5-year manufacturer's warranty for end customers

# Article number

20002804

## **FRITZ! – Here's why!**

Enjoy the benefits  
of FRITZ! products  
and services

## **Compare models**

Compare the key  
features of our  
FRITZ!Box models

## **Service**

We're to help with  
knowledge  
documents,  
downloads, videos  
and more

FRITZ!Apps

FRITZ!OS