



Technical specifications

Interfaces

Internet via cable on DOCSIS

3.1/EuroDOCSIS 3.0 cable connection

1 x 2.5 gigabit LAN port

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

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

1 USB 2.0 port for printers and storage media

Integrated DECT base station for up to 6 cordless telephones

1 a/b port (TAE, RJ11) for analog telephones, answering machines and fax

Internet

Internet via cable on DOCSIS 3.1/EuroDOCSIS 3.0 cable connections

Integrated DOCSIS 3.1/EuroDOCSIS 3.0 cable modem for data rates of up to 6 gigabit/s downstream

High-performance wireless router with firewall/NAT, DHCP server, DynDNS client, UPnP

Full-band capture tuner

Support for IPv6

Stateful Packet Inspection Firewall with port sharing

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

Wi-Fi

2 x 2 Wi-Fi 6 with MIMO

Wi-Fi networks compliant with 802.11ax (up to 2400 Mbit/s gross, 5 GHz and up to 600 Mbit/s gross, 2.4 GHz)

With Mesh Wi-Fi you can combine several wireless access points into one intelligent system (FRITZ!OS 6.90 and later). Find out more at en.avm.de/mesh

Wi-Fi 6 for simultaneous operation in the 2.4 and 5 GHz bands

Support for 160 MHz Wi-Fi channel bandwidths (5 GHz frequency band)

Secure upon delivery with WPA2 encryption; WPA3 also available

AVM Stick & Surf: automatic security for wireless surfing

Wi-Fi Protected Setup (WPS)

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

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

Green AP mode for optimum performance at minimum power consumption

Integrates iPhones and Android smartphones in the home network

Compatible with
Wireless 802.11ac, n,
g and a

Telephony

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

Voice transmission
encrypted upon
delivery for greater
security

Port for one analog
telephone, answering
machine or fax

Supports HD telephony
for natural sound

DECT Eco: Radio
network switches off
ergonomically

5 integrated answering
machines including
email forwarding
(voice-to-mail)

Fax function including
email 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/Wi-Fi)
SIP-compliant

FRITZ!App Fon for iOS
and Android

Home network convenience

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

With MyFRITZ!, secure
access to your own

Powerful processor:
networked applications
like IPTV, video on
demand and music
streaming

Parental controls, push
service, cloud contacts,
online storage

FRITZ!Box from
anywhere

FRITZ!NAS – simple,
browser-based access
to all files in the
network, wherever they
are stored

Streams free-to-air TV
programs
simultaneously to
tablets or smartphones
(conveniently with
FRITZ!App TV) and to
computers (with the
VLC media player) in
your home network.

Guest Wi-Fi access –
secure surfing for
friends and visitors
(Wi-Fi/LAN)

Sharing of existing
Internet connection
over LAN or Wi-Fi

Wake on LAN over the
Internet

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:
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

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

your FRITZ! Smart
Home

Package contents

FRITZ!Box 6660 Cable

1.5-meter LAN cable

Power adapter with
1.5-meter cable

Quick guide

1.5-meter coaxial cable

Device properties

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

Average power
consumption: 11 – 15 W