



FRITZ!Box 5530 Fiber

AVM Content

Interfaces

- Wireless router with an SFP port for a FRITZ!SFP fiber optic module (AON, GPON or XGS-PON, depending on edition)
- 1 x 2.5 gigabit LAN port (IEEE 802.3bz standard, NBASE-T)
- 2 x 1 gigabit LAN ports
- Wi-Fi 6 (5 GHz, 2.4 GHz)
- Integrated DECT base station for up to six cordless telephones
- 1 a/b port (TAE/RJ11) for analog phones, answering machines and fax

Internet

- Fiber optics router with firewall/NAT, DHCP server, DynDNS client, UPnP AV
- Suitable for gigabit-capable passive optical networks (GPON), active optical networks (AON) and 10 Gigabit capable symmetric passive optical networks (XGS-PON)
- Router operation also over an existing internet connection via LAN or with a media converter on the SFP module
- Supports IPv6
- Stateful Packet Inspection Firewall with port sharing for secure web surfing

- Secure remote access over the internet with VPN (IPSec)

Fiber optics

There are different FRITZ!SFPs included in delivery, depending on the edition of the FRITZ!Box 5530 Fiber. You can find the technical specifications of each FRITZ!SFP module here.

FRITZ!SFP AON

- ITU-T G.652; IEEE 802.3ah-2004 1000BASE-BX10
- LC/APC 8°
- Wavelength: TX 1310 nm, RX 1480 to 1580 nm
- Full duplex transmission
- Transmitter power: -9 to -3 dBm
- Reception range: -3 to -23 dBm
- Range: 10 km
- Support for SFF-8472
- Class 1 laser

FRITZ!SFP XGS-PON

- ITU-T G.9807 (10-Gigabit-capable symmetric passive optical network)
- SC-UPC
- Wavelength: TX 1270 nm, RX 1577 nm
- Full duplex transmission

- Transmitter power: +5 to +9 dBm
- Reception range: -8 to -29 dBm
- Range: 20 km
- Support for SFF-8472
- Class 1 laser

FRITZ!SFP GPON

- Suitable for ITU-T G.984.2/984.5 (GPON)
- LC/APC 8°
- Wavelength: TX 1310 nm, RX 1490 nm (with filter)
- Suitable for rogue detection
- Transmitter power: 0.5 to 5 dBm
- Reception range: -3 to -28 dBm
- Range: 20 km
- Support for SFF-8472
- Class 1 laser

Wi-Fi

- 2 x 2 Wi-Fi 6 with Multi-User MIMO
- Wi-Fi 6 for simultaneous operation in the 2.4 and 5 GHz bands
- Data rates of up to 2400 Mbit/s (5 GHz) and 600 Mbit/s (2.4 GHz)

- Compatible with Wireless 802.11ac (Wi-Fi 5), n (Wi-Fi 4), g and a
- Extends your home network with Mesh Wi-Fi
- Secure upon delivery with WPA2 encryption, with WPA3 also available
- Wi-Fi Protected Setup (WPS)
- Wi-Fi guest access – secure access for friends and visitors
- Wi-Fi auto channel: Automated search for an interference-free Wi-Fi channel
- Wi-Fi Eco for optimum performance at minimum power consumption
- Uses Wi-Fi to integrate iPhones and Android smartphones into the home network

Telephony

- Telephone system with DECT base station for up to six cordless telephones
- Voice transmission encrypted upon delivery
- Port for an analog phone, answering machine or fax
- Supports HD telephony for natural sound
- DECT Eco: Frequency channel switches off for maximum comfort
- Five integrated answering machines including email forwarding (voice-to-mail)
- Fax function including email forwarding (fax-to-mail)
- Call diversion, internal calls, 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 phones (LAN/Wi-Fi), compliant with the Session Initiation Protocol (SIP)
- FRITZ!App Fon for landline calls via your smartphone

Home network convenience

- Secure access to your own FRITZ!Box from anywhere with MyFRITZ!
- Powerful processor: networked applications such as IPTV, video on demand and music streaming
- Parental controls, push service, cloud contacts, online storage
- Wi-Fi guest access – secure access for friends and visitors
- Share existing internet connection over LAN
- 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
- Advanced view for special configuration options, help function with full-text search
- 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 your FRITZ! Smart Home
- 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

Package contents

- FRITZ!Box 5530 Fiber
- FRITZ!SFP for AON, GPON or XGS-PON (depending on edition)
- 4-meter fiber optic cable (LC/APC > LC/APC) (depending on edition)
- Power adapter with 1.5m-long cable
- 1.5 meter-long LAN cable
- Quick guide

Device properties

- Dimensions (W x D x H): 208 x 150 x 43 mm

Article number

- FRITZ!Box 5530 Fiber with FRITZ!SFP AON (article number 20002937)
- FRITZ!Box 5530 Fiber with FRITZ!SFP GPON (article number 20002936)
- FRITZ!Box 5530 Fiber with FRITZ!SFP XGS-PON (article number 20002959)
- FRITZ!Box 5530 Fiber with FRITZ!SFP GPON and FRITZ!SFP AON (article number 20002960, available only in Germany)