

# Technical Specifications

## Fiber optics

- SC/PC port
- Wavelength: TX 1310 nm, RX 1480 to 1580 nm
- Full duplex transmission
- Transmitter power: -9 to -3 dBm
- Reception quality: < -20 dBm
- Range: 10 km
- Support of TR-069 and SFF-8472
- Laser class 1
- Can be used on active fiber optic connections (AON)
- Can be used on passive fiber optic connections (PON/GPON) behind an Optical Network Terminal (ONT) as an access router/IAD (Integrated Access Device)

## Telephony

- Telephone systems with DECT base station for up to 6 cordless telephones/li>
- Voice transmission encrypted upon delivery for greater security
- ISDN S<sub>0</sub> bus for connecting ISDN telephones/ISDN telephone system
- 2 a/b ports 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
- 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/WLAN) SIP-compliant
- Telephony app (via wireless LAN) for Apple iPhone with iOS 4 or higher, Google Android 2.1

## Interfaces

- Fiber optic connection
- 4 x gigabit Ethernet (10/100/1000 Base-T)
- Wireless access point compliant with IEEE 802.11ac, n, g, a
- 2 x USB 3.0 port for printers and storage media
- DECT base station for up to 6 handsets
- ISDN S<sub>0</sub> bus (RJ45) for ISDN telephones or ISDN telephone system
- 2 a/b ports (TAE, RJ11) for analog telephones, answering machines and fax

## Internet

- Fiber optics router with firewall/NAT, DHCP server, DynDNS client, UPnP AV
- For connections to Active Optical Networks (AON) with point-to-point technology
- Router operation over an existing Internet connection via LAN
- Support for IPv6
- Stateful Packet Inspection Firewall with port sharing for secure web surfing
- Secure remote access over the Internet with VPN (IPSec)

## Convenience for the home network

- 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 FRITZ!Box from anywhere
- FRITZ!NAS – simple, browser-based access to all files in the network, wherever they are stored
- Platform for networked applications like IPTV, video on demand and media streaming, thanks to the powerful dual-core processor
- Parental controls, push service, cloud contacts, online storage
- Guest access: sharing of existing Internet connection over LAN or wireless LAN
- Wake on LAN over the Internet
- Supports devices compliant with DLNA

## Device properties

- Dimensions (W x H x D): 245 x 175 x 55 mm
- Suitable for tabletop or wall-mounted operation
- Average power consumption: 7.2 W

## Wireless LAN

- Wireless AC (up to 1300 Mbit/s gross, 5 GHz) and Wireless N (up to 450 Mbit/s gross, 2.4 GHz)
- Compatible with Wireless 802.11g and a (11, 54, 150, 300 Mbit/s)
- Secure ex works with WPA2 encryption
- AVM Stick & Surf: automatic security for wireless surfing
- WLAN button (to switch wireless LAN on/off manually)
- Wi-Fi Protected Setup (WPS)
- Wireless guest access – secure surfing for friends and visitors
- Wireless network range extended through repeater function
- Wireless auto channel: Automated search for wireless LAN radio channel free of interference
- Green AP mode for optimum performance at minimum power consumption

## FRITZ!OS

- "fritz.box": clearly laid out 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
- FRITZ!Apps for wireless LAN telephone calls in the home network, file access from on the go, control of webcams and more (Android and iOS)
- Smart Home features integrated in the user interface
- Smart Home devices can be switched manually and automatically both in the home network and from the Internet

## Package contents

- FRITZ!Box 5490
- Power supply unit
- 1.5 meter LAN cable
- Quick guide

## Article number

- 20002747