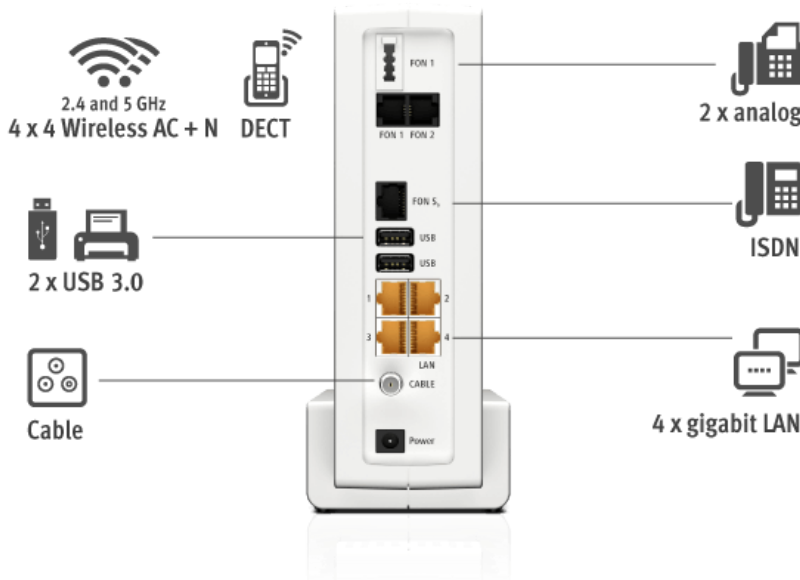


# FRITZ!Box 6591 Cable

## Technical specifications

### Interfaces

- Wireless router with integrated cable modem
- Up to 6 gigabit/s in accordance with the current transmission standard DOCSIS 3.1/EuroDOCSIS 3.0
- 4 x gigabit Ethernet
- 4 x 4 Wireless AC + N with Multi-User MIMO
- Wireless AC (up to 1733 Mbit/s, 5 GHz) and N (up to 800 Mbit/s, 2.4 GHz)
- 2 USB 3.0 ports for printers and storage media
- DECT base station for up to 6 handsets
- ISDN S<sub>0</sub> bus for ISDN telephones or telephone system
- 2 a/b ports for analog telephones, answering machines and fax



## Technical specifications

### Internet

- Internet via cable on DOCSIS 3.1/EuroDOCSIS 3.0 cable connection
- Integrated DOCSIS 3.1/EuroDOCSIS 3.0 cable modem for rates of up to 6 gigabit/s downstream
- Full-band capture tuner
- High-performance wireless router with firewall/NAT, DHCP server, DynDNS client, UPnP
- Support for IPv6
- Stateful Packet Inspection Firewall with port sharing
- Secure remote access over the Internet with VPN (IPSec)

## Wireless LAN

- 4 x 4 Wireless AC + N with Multi-User MIMO
- Wireless radio networks compliant with 802.11ac (up to 1733 Mbit/s gross; 5 GHz) and 802.11n (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 more at [en.avm.de/mesh](http://en.avm.de/mesh)
- Dual Wireless AC+ N for simultaneous operation in the 2.4 and 5 GHz bands
- Compatible with Wireless 802.11g, b and a
- Secure ex works with WPA2 encryption
- AVM Stick & Surf: automatic security for wireless surfing
- Wi-Fi Protected Setup (WPS)
- Wireless guest access – secure surfing for friends and visitors
- Wireless auto channel: Automated search for wireless LAN radio channel free of interference
- Green AP mode for optimum performance at minimum power consumption
- Integrates iPhones and Android smartphones in the wireless home network

## Telephony

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

## 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
- Powerful processor: networked applications like IPTV, video on demand and music streaming
- 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.
- Parental controls, push service, cloud contacts, online storage
- Wireless guest access – secure surfing for friends and visitors (WiFi/LAN)
- Sharing of existing Internet connection over LAN or wireless 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
- FRITZ!Apps for wireless LAN telephone calls in the home network, file access from on the go and more (Android and iOS)
- 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

## Interfaces

- Internet via cable on DOCSIS 3.1/EuroDOCSIS 3.0 cable connection
- 4 x gigabit LAN port (10/100/1000 Base-T)
- Wireless access point compliant with IEEE 802.11ac, n, g, b, a
- 2 USB 3.0 ports for printers and storage media
- Integrated DECT base station for up to 6 cordless telephones
- 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

## Package contents

- FRITZ!Box 6591 Cable
- Power adapter with 1.5-meter cable
- RJ12/TAE adapter
- 1.5-meter LAN cable
- Quick guide

## Device properties

- Dimensions (W x H x D): 85 x 209 x 273 mm
- Medium power consumption: 11 W