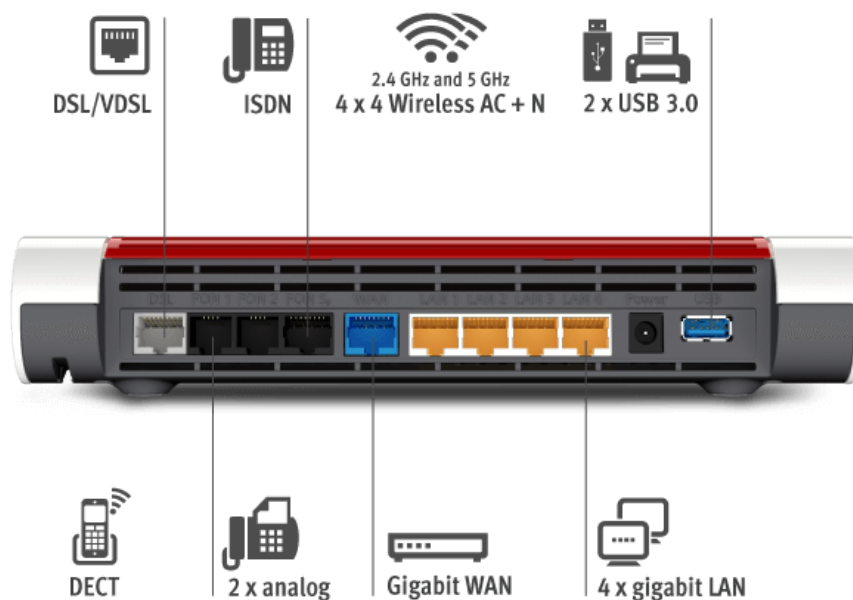# FRITZ!Box 7590

Technical data

Interfaces

- All DSL lines with up to 300 Mbit/s

- IP-based, analog or ISDN landline

- 4 x gigabit Ethernet

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

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

- Wireless AC with up to 1733 Mbit/s (5 GHz)

- Wireless N with up to 800 Mbit/s (2.4 GHz)

- 2 x USB 3.0 port for printers and storage media

- DECT base station for up to six handsets

- ISDN S_0 bus for ISDN telephones or ISDN telephone system

- 2 x a/b port for analog telephones, answering machines and fax

Technical specifications

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)

Wireless LAN

- Wireless AC (up to 1733 Mbit/s gross, 5 GHz) and N (up to 800 Mbit/s gross, 2.4 GHz)
- Compatible with Wireless 802.11g, b and a
- Secure ex works with WPA2 encryption
- AVM Stick & Surf: automatic security for wireless surfing
- 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
- 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_0 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 online (email providers)
- 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 (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 (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)
- 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 devices can be switched manually and automatically both in the home network and from the Internet

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

Package contents

- FRITZ!Box 7590
- Power supply unit
- 4-meter DSL-telephone connecting cable
- 1.5 meter LAN cable
- Quick guide

Device properties

- Dimensions (W x H x D): 250 x 48 x 184 mm
- Average power consumption: 9 - 10 W

Warranty

- 5-year manufacturer's warranty for end customers

Article number

- 20002804