

devolo presents new WiFi 7 Mesh system and fibre-optic Ethernet router

Aachen, 18 March 2026 – Those who want to enjoy fast Internet at home require high-performance Wi-Fi. To this end, the German network experts from devolo are now presenting a new WiFi 7 Mesh system that can also be used as an Ethernet router, particularly for fast fibre-optic connections: the devolo WiFi 7 BE6500. In addition to fast Wi-Fi, the mesh router also offers four Ethernet ports. The user-friendly devolo Home Network app or web application is used for installing, optimising and monitoring this Wi-Fi powerhouse. That's how to get fast Wi-Fi of the latest generation into any room – for smooth video streaming, high-speed gaming and stress-free Internet browsing.

The topics of this press release:

- All the benefits of WiFi 7
- State-of-the-art mesh Wi-Fi
- Installation in no time
- Customised Wi-Fi: one system, many possibilities
- Prices and availability
- Overview of the highlights of the devolo WiFi 7 BE6500

All the benefits of WiFi 7

devolo's new Wi-Fi turbobooster uses frequencies of 2.4 GHz, 5 GHz and 6 GHz with a channel width of up to 320 MHz. In combination with 4K-QAM, Multi-Link Operation and Multi-RU Puncturing, this ensures extra-high speeds. The product name itself indicates the maximum Wi-Fi speed – the devolo WiFi 7 BE6500 enables Wi-Fi transfer rates of up to 6500 Mbps. The use of innovative WiFi 7 technologies not only increases the maximum Wi-Fi speed, but also provides more capacity for simultaneously connected devices and minimises the response speed. To ensure seamless incorporation of all Wi-Fi clients, older Wi-Fi standards are also supported.

State-of-the-art mesh Wi-Fi

A mesh system refers to a wireless network that consists of multiple Wi-Fi access points. The individual Wi-Fi access points create a finely meshed wireless LAN. As a result, the devolo mesh Wi-Fi system, which is offered in 2- and 3-device packages, can provide an Internet signal that covers the entire area even in challenging environments. The devolo model supports state-of-the-art mesh functions such as Access Point Steering, Band Steering, bidirectional Multi-User MIMO and OFDMA. These properties make the new devolo mesh Wi-Fi system future-proof, particularly for fast fibre-optic connections.

Installation in no time

Installation of the mesh kits with 2 or 3 devices is really easy. They are delivered in a pre-configured state and offer a genuine plug-and-play experience. The individually available WiFi 7 fibre-optic Ethernet router is also ready to use in no time: Just use the Ethernet cable to connect the devolo router e.g. to the ONT (fibre-optic modem) or modem and then use the intuitive devolo Home Network app or web interface to ensure quick set-up.

Customised Wi-Fi: one system, many possibilities

The mesh router is offered in various packages: as an individual router, as mesh kits of 2 or 3 devices and as a separate mesh expansion kit. The 6500 can be used as a full-fledged fibre-optic Ethernet router, access point or mesh Wi-Fi kit. This way customers can choose the package that is the best fit for their needs. And if the intended use ever changes, this is not a problem: With the devolo Home Network app and the web application the operating mode can simply be reconfigured. Another benefit: The new WiFi 7 Mesh router is compatible with all other current devolo products and with all ONTs, modems and routers from third-party manufacturers.

Prices and availability

The new devolo WiFi 7 Mesh systems and the fibre-optic Ethernet router are now available. All prices mentioned here are recommended retail prices and include VAT. devolo provides a 3-year manufacturer's warranty on all products.

Product name	Contents of package (quantity)	RRP in euros
WiFi 7 BE6500 router	1	149.90
WiFi 7 Mesh BE6500 2-device pack	2	279.90
WiFi 7 Mesh BE6500 3-device pack	3	399.90
WiFi 7 Mesh BE6500 extension	1	149.90

Overview of the highlights of the devolo WiFi 7 BE6500

Maximum Wi-Fi speed: 6500 Mbps

Frequency bands: 2.4, 5 and 6 GHz

Dual-band radio: 2.4 + 5 or 2.4 + 6 GHz

Number of antennas: 4

Maximum channel width: 320 MHz

Wi-Fi features: Multi-Link Operation, Multi-RU Puncturing, 4K-QAM, Access Point Steering, Band Steering, bidirectional Multi-User MIMO, OFDMA

Wi-Fi standards: 802.11 a/b/g/n/ac/ax/be

Wi-Fi security: WPA 2 and WPA 3

Ethernet ports: 1x 2.5 Gbps (WAN, LAN), 3x 1 Gbps (LAN)

Software extras: Firewall, Black List, QoS, guest Wi-Fi

The next updates: VPN, Wi-Fi time control, Parental Control, White List

Application software: devolo Home Network app, web interface

In just a few weeks, the new devolo WiFi 7 BE9300 tri-band system will be available as a router and a mesh kit. For more information, visit www.devolo.com

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About devolo

devolo develops intelligent home networking solutions for household customers and offers everything for stable and reliable Wi-Fi from a single source. The portfolio includes secure routers, high-performance mesh Wi-Fi systems and practical network accessories. The main product is devolo Magic – a technology that makes it possible to establish smart networks over existing electrical wiring. The product portfolio is rounded off with innovative solutions for fibre-optic connections. This is how devolo ensures reliable, seamless networking throughout the home.

In the professional sector, devolo is a reliable partner of international telecommunications providers, global industrial corporations, leading medium-sized companies and the dynamic energy industry. Wherever secure, high-performance data communication is needed, partners rely on devolo.

With over 50 million products sold, devolo belongs to the world's market leaders. More than 1,000 international top-product test reviews and distinctions underscore our leadership in innovation. devolo was founded in 2002 in Aachen, Germany, and today is actively represented in more than 10 countries.