Exclusive preview at the MWC in Barcelona: LANCOM exhibiting first Wi-Fi 7 access points

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Aachen, Germany, February 21, 2024—At the Mobile World Congress (MWC) from February 26 – 29 in Barcelona, German network-infrastructure and security supplier LANCOM Systems is providing a first insight into their future portfolio of Wi-Fi 7 access points. At the stand of LANCOM parent company Rohde & Schwarz (hall 5, booth 5A80), visitors will have an exclusive preview of the first devices to be available from summer 2024. The LANCOM Wi-Fi 7 portfolio offers all of the advantages of the latest wireless LAN generation, which are supplemented by a number of innovative features such as a Scan Radio, redundant PoE supply, and intelligent energy management. The new access points also feature a completely new housing design.

The latest standard Wi-Fi 7, also known as IEEE 802.11be, offers higher data densities, greater channel widths, higher speeds, and innovative functions such as multi-link operation, multi-RU, and puncturing. Like Wi-Fi 6E, Wi-Fi 7 uses the 6-GHz frequency band, which is reserved exclusively for wireless LAN, as well as the 2.4- and 5-GHz bands. This enables interference-free Wi-Fi operation with minimal latency and maximum data throughput, all of which are essential for real-time applications such as machine controls or virtual reality.

The two new Wi-Fi 7 access points **R&S®LANCOM LX-7500** and **LX-7300** were designed with the clear aim of making professional networks more secure and sustainable while at the same time easing the workload on administrators through high levels of automation:

Secure

- Security Scan enables radio-field monitoring using a dedicated Scan Radio
- Dual-PoE-in: Fully redundant power supply to the second switch for maximum reliability (LANCOM LX-7500)
- Firmware engineered in Germany: Guaranteed freedom from backdoors, secure boot, maximum reliability, and future viability through regular feature and security updates
- Integrated mounting protection against casual theft

Sustainable

- LANCOM Sustainability Mode: Reduced energy consumption in the Wi-Fi through technological options and logical control
- Energy monitoring for the entire network for transparency about energy consumption,

savings, CO_2 emissions, and CO_2 reduction
- Environmentally friendly packaging: Plastic-free packaging based on paper fibers—a contribution to uncomplicated and sorted disposal
- Optimized scope of delivery: Avoiding waste packaging and electronic scrap as well as logistics-related CO_2
- Housing made from 100% recyclable materials without glued individual components

Automated

- Cloud-managed Wi-Fi Zero-touch commissioning, auto-config, 24/7 monitoring & alerting, and Wi-Fi anomaly detection via the R&S®LANCOM Management Cloud for minimal manual effort
- Radio Resource Management: Self-learning automation solution R&S®LANCOM Active Radio Control™ 2.0 for optimized Wi-Fi installations at the touch of a button—the Scan Radio allows constant radio-field monitoring
- Saving energy without risk: Intelligent, cloud-based, dynamically adapting optimization solution R&S®LANCOM Active Power Control reduces the energy consumption of the Wi-Fi infrastructure while maintaining operational reliability

Further resources:

Pictures of the new access points are ready for download here.

Further information is available on the launch website: https://www.lancom-systems.com/wifi-7

A dedicated Wi-Fi 7 technology website and white paper explain the new wireless standard here: https://www.lancom-systems.com/technology/wifi-7

About LANCOM Systems:

Rohde & Schwarz Networks and Cybersecurity GmbH is a leading European manufacturer of network and security solutions for business and the public sector. The portfolio includes hardware (WAN, LAN, WLAN, firewalls), virtual network components, cloud-based software-defined networking (SDN), and solutions for remote and mobile access.

Software and hardware development as well as manufacturing take place mainly in Germany, as does the hosting of the network management. There is a strong focus on trustworthiness and security. The company is committed to products that are free from backdoors and is a holder of the trust mark “IT Security Made in Germany” as initiated by

the German Ministry of Economics.

LANCOM was founded in 2002 and has its headquarters in Würselen near Aachen, Germany. Customers include SMEs, government agencies, institutions, and major corporations from all over the world. Since summer 2018, the company has been a wholly owned subsidiary of the Munich-based technology group Rohde & Schwarz.

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