

More mobility for the world



Lufthansa Technik

Original Equipment Innovation

Next-generation WAP

Very high throughput wireless access point



Customer advantages

- Internal antennas
- Easy installation/maintenance
- Small housing
- 802.11g/a/n/ac
- High speed Wi-Fi



The next generation high-speed wireless

Lufthansa Technik's new very high throughput (VHT) wireless access point (WAP) allows aircraft operators to offer their passengers the market's best wireless experience. This is the first WAP in the aviation industry based on the new 802.11ac standard, with a transmission rate of up to 1.3 Gbps. The unit's compact size and internal antennas make it easy to install and maintain.

Lufthansa Technik new and aviation-qualified very high throughput wireless access point (WAP) is based on the latest developments from Aruba Networks. Optimized for the extremely high-density characteristics common in aircraft cabin environments and complying with aviation security requirements, the new WAP offers ultra-fast data communications in a market-leading small size ARINC 763-compliant housing.

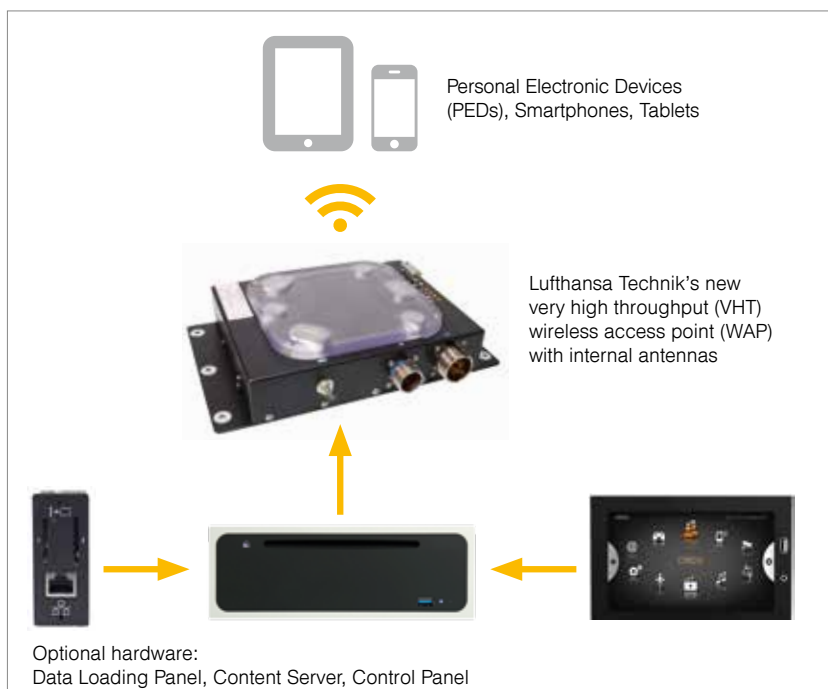
The device can be easily configured by airlines for the requirements of their IFE and connectivity systems. The solution offers airlines the ability to deliver high speed Wi-Fi for in-flight web browsing, multimedia streaming, real-time communications, point-of-sale applications, passenger gaming and other Internet-based services. As the first aircraft access point available on the aviation market based on the Gigabit Wireless Standard (802.11ac, 1.3 Gbps) it allows faster video streaming and on-board Internet connections supporting more mobile devices on two independent radios. The device's airtight housing hosts optimized internal antennas (3 x 3 MIMO antenna array) to ease installation and relieve operators of the need for single antenna adjustments.

WAP features

- Aviation qualified ruggedized access point
- Powered by Aruba Networks
- Simultaneous dual radio operation (1x 802.11 b/g/n, 1x 802.11 n/a/ac)
- First aircraft access point with 802.11ac standard (1.3 Gbps for ac-radio)
- Backwards compatible to 802.11a/b/g/n standards (450 Mbps per n-radio)
- Qualified to DO-160G
- Wireless Intrusion Detection/Prevention System (WIDS/WIPS)
- Smaller than ARINC 763
- Already certified on A320

Specifications

Power supply	115 V AC variable frequency 360-800 Hz
Dimensions	230 x 174 x 65 mm (L x W x H)
Weight	1.9 kg



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