

Feature Notes

LCOS 10.0

LCOS 10.0
[LANCOM OPERATING SYSTEM]



LCOS 10.0

A new milestone – LCOS 10.0

The new version of LCOS packs a multitude of highlights!

Your LANCOM devices now support **Software-defined Networking (SDN) technology**, which brings you into the new dimension of network management: **The LANCOM Management Cloud.**

You also benefit from **full transparency** of your data traffic, because thanks to **layer-7 application detection** you always have the overview of the applications and services (such as Netflix, YouTube, etc.) that are operating on your network.

You get **even greater versatility in the wireless LAN** with a **Bonjour proxy** on your routers. This allows the **Bonjour** protocol to operate **across layer-2 boundaries**. This way you can implement ZeroConf services (such as Airprint, Airplay, etc.) even in business infrastructures that operate with network virtualization (ARF).





LANCOM Management Cloud

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LCOS 10.0

Prepared for the new dimension of network management

LANCOM devices go “Cloud-ready”

The new dimension in network management

LCOS 10.0 lays the cornerstone for a new dimension in network management—your LANCOM devices are made “Cloud-ready”!

The Management Cloud from LANCOM sets new standards in the intelligent, application-oriented, and future-proof management and monitoring of networks.

By means of the intuitive software interface, networks of all sizes can be centrally monitored and managed by SD-WAN, SD-LAN, and SD-WLAN technology—making the manual configuration of network components a thing of the past!

The result: Full transparency and visibility of every device and activity on the network, as well as maximum control and security.

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LANCOM Management Cloud



Field-tested performance and reliability

All current LANCOM products are “Cloud-ready”



Gateways / routers

- › For VDSL, ADSL, fiber, LTE / 4G
- › IPSec VPN site connectivity
- › Secure network virtualization by ARF



Access points

- › For indoor, industrial and outdoor use
- › High-speed IEEE 802.11ac support
- › Wireless ePaper & iBeacon



Switches*

- › Managed switches with 10 to 52 ports
- › PoE power supply
- › Security and QoS features

* With LANCOM Switch OS 3.30



LANCOM Management Cloud

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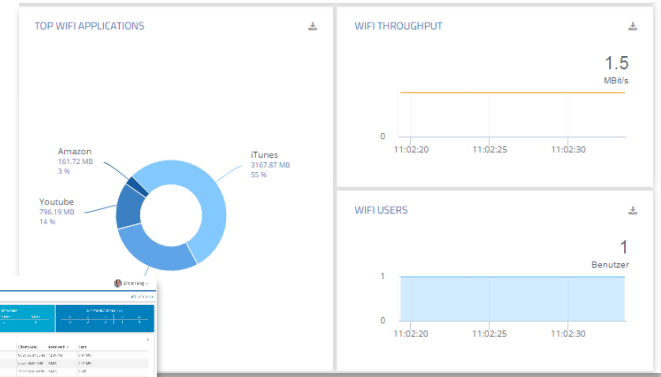
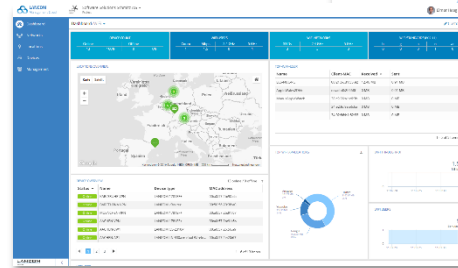


Features Wireless LAN

Layer-7 application detection

Full transparency

- Used applications (e.g. Netflix, YouTube, etc.) can be transparently tracked throughout the network
- Monitoring via LANmonitor or LANCOM Management Cloud



Zero Configuration / Bonjour

Automatic detection of network devices

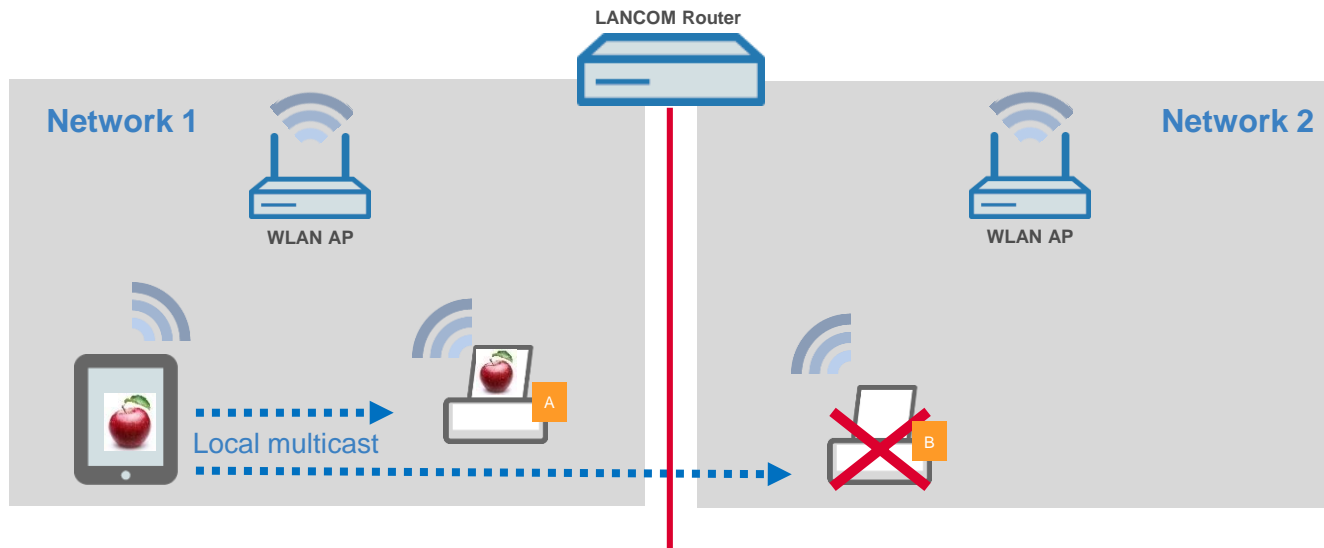
- The Bonjour protocol enables the detection of network devices without prior manual installation
- Enables for example the usage of printers via AirPrint or streaming via AirPlay
- Works with the operating systems Windows, Mac OS X, and Linux
- Perfect for mobile devices such as laptops, smartphones, and tablets



Zero Configuration / Bonjour

Previously: Router without Bonjour Proxy

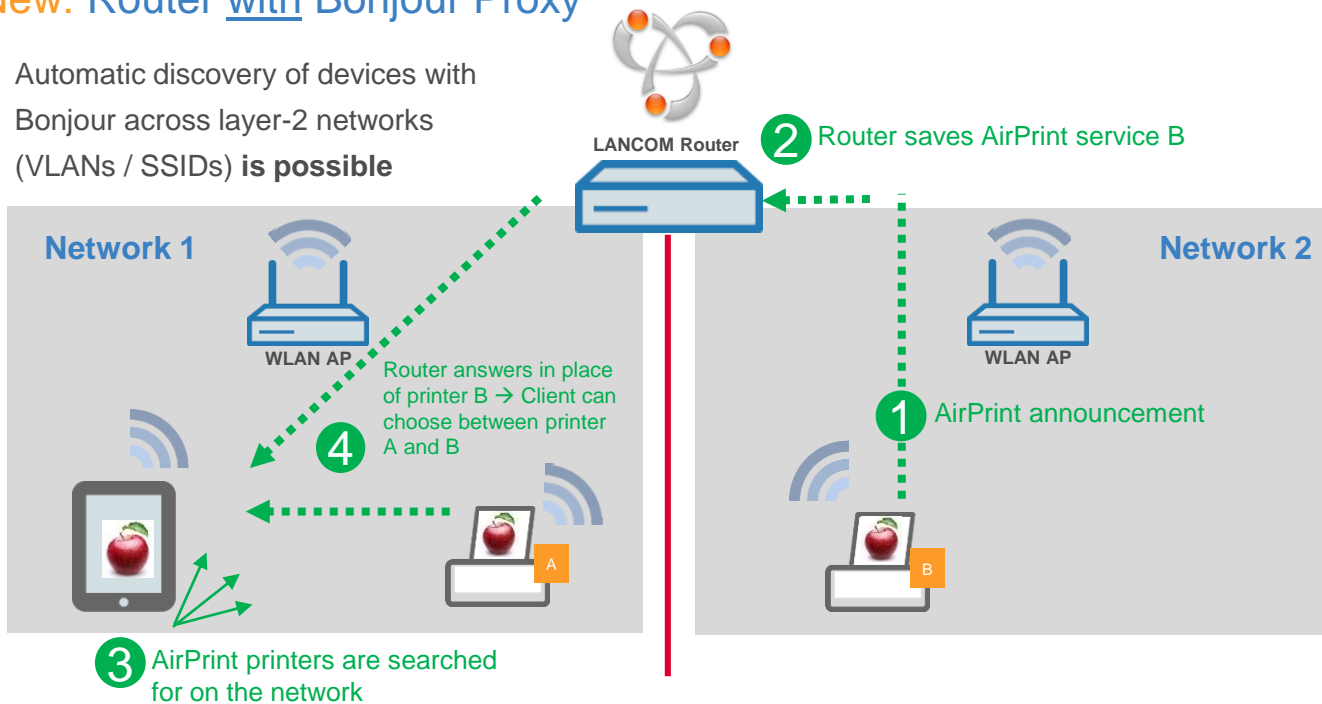
- Automatic discovery of devices with Bonjour across layer-2 networks (VLANs / SSIDs) **has not been possible**



Zero Configuration / Bonjour

New: Router with Bonjour Proxy

- Automatic discovery of devices with Bonjour across layer-2 networks (VLANs / SSIDs) **is possible**



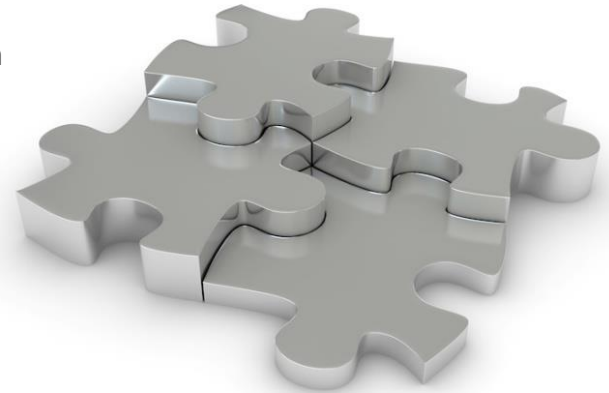


Further features

Further feature

Support for RADIUS CoA (change of authorization) in the WLAN

RADIUS CoA operates on the wireless LAN to throttle the bandwidth available to associated clients even for current sessions, and can even log the client off. This gives administrators more control, for example if data-volume budgets are exceeded.



LCOS 10.0

The LCOS promise

The free operating system LCOS (LANCOM Operating System) is the **in-house closed-source firmware** for the entire core portfolio of products from LANCOM Systems GmbH. LCOS is **developed at our headquarters** in a maximum security zone that is certified by the BSI (the German Federal Office for Information Security). Several times a year LCOS benefits from software updates with new features and enhancements. Moreover, the quality seal "IT Security Made in Germany" (ITSMG) from an independent authority guarantees that LCOS is free from backdoors. LCOS constantly undergoes quality testing so that it offers the **highest degree of reliability for professional network infrastructures**. Thanks to hardware that is dimensioned for the future, LANCOM products are designed for a long service life and support of the latest versions of LCOS. Even our older devices that no longer support current versions of LCOS are, when necessary, provided with bug fixes that are based on the latest available firmware. LANCOM offers unbeatable safeguarding of your investment.

A silver and black LANCOM Systems wireless router sits on a dark wooden table. The router has two antennas and several status LEDs. The background is blurred, showing people in a meeting setting. A blue text box is overlaid on the right side of the image.

Thank you
for your attention.

LANCOM 1781WA-AC