

HYPER INTEGRATION!

LANCOM Management Cloud



- > Automated
- > Software-defined
- > Hyper-integrated

SECURE. NETWORKS.

LANCOM
Systems

Challenge digitalization





A fully functional network is the heart of any business.

And yet installing it and managing it is deeply complex. The shortage of skilled manpower makes things worse, as qualified network specialists are hard to find. At the same time, the conventional manual configuration is a time-consuming, error-prone, and thus very costly task.

Wouldn't it be great if there were an intelligent, higher instance that automates and controls the entire network from a central location? A kind of hyper-intelligence that networks all of the key components, dynamically responds to any new requirements, and which is also secure.

What sounds like a future scenario is here today.

Welcome to the LANCOM Management Cloud!

The LANCOM Management Cloud is the world's first hyper-integrated management system that intelligently organizes, optimizes, and controls your entire WAN, LAN, and WLAN network architecture. State-of-the-art software-defined technology (SD-WAN, SD-LAN, SD-WLAN) drastically simplifies the provision of integrated networks and makes the manual configuration of individual devices a thing of the past. The system adapts dynamically to your requirements, it is future-proof and offers maximum security.



Maximum agility
and versatility



State-of-the-art
Security



Radical time and
cost savings



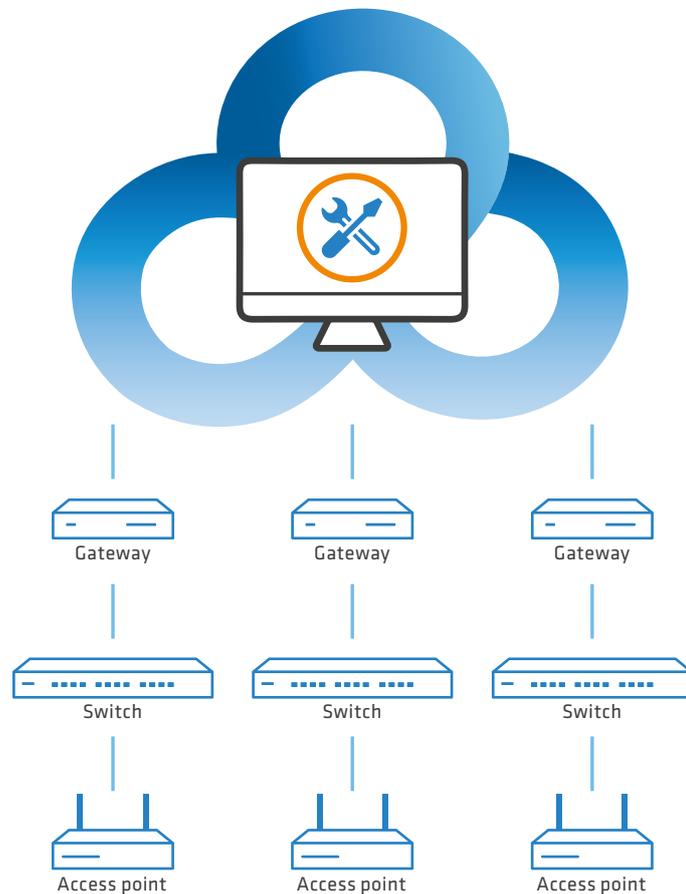
Highly automated
multi-service networks
in top quality





Holistic network orchestration





Hyper Integration means: Fully automated configuration

LANCOM has made the manual configuration of individual devices a thing of the past – software-defined technology (SD-WAN, SD-LAN, SD-WLAN) now delivers fully automated network orchestration. All the administrator has to do is to specify the framework conditions for the design of the network. Auto-configuration and zero-touch deployment implement an automated rollout with maximum security.

Complex network configurations, previously the cause of intense manual effort by certified IT professionals, is now reduced to just a few minutes and a few clicks!

The hyper-integrated premium portfolio



Hyper Integration means: Routing, switching, WLAN

The LANCOM Management Cloud is a holistic system that controls the entire network infrastructure. This is only possible through a perfectly compatible product portfolio: All gateways, all routers, all switches, and all access points are quickly and easily transferred to the Cloud-based network orchestration for a holistic SD-WAN, SD-LAN, and SD-WLAN.

The easiest way into the cloud

It takes just a few clicks to integrate your devices into the LANCOM Management Cloud – be they new devices or existing infrastructures. You decide whether to switch your entire network over to innovative SD-WAN, SD-LAN, and SD-WLAN, or whether to take it step by step: A gradual transition of your different locations is easy to implement – so take a closer look at the full power of hyper integration.



VPN gateways & routers

Access points

Switches

All-IP- & VoIP routers

**All under control
anytime, anywhere**

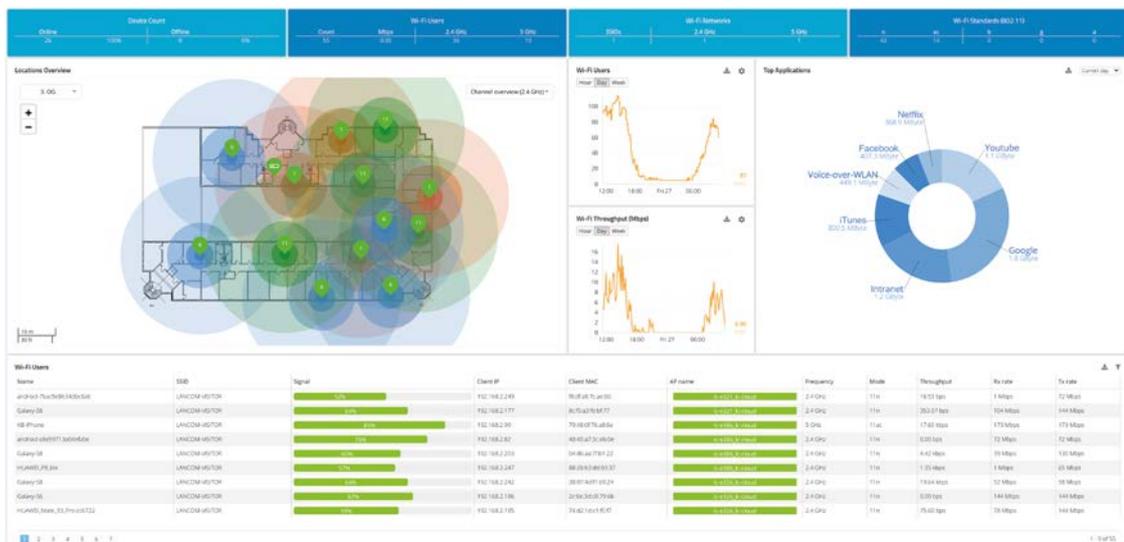


Hyper Integration means: Management & monitoring in a single system

The unique combination of state-of-the-art technology and the LANCOM premium portfolio encompasses all segments of the network infrastructure – the WAN, LAN, and WLAN. These help you to create highly integrated, company-wide network scenarios at the click of a mouse: Interconnect your locations, home offices, and field staff, for instance. Define Wi-Fi networks for internal user groups or hotspots for guests. Be sure of maximum network security, for example through the centralized management of device passwords.

All of this is centrally designed, rolled out and monitored with just a few clicks – a web browser is all you need.

Furthermore, you benefit from around-the-clock monitoring, diagnosis, and troubleshooting. You are constantly aware of any events or errors on the network, which helps with the immediate detection and rectification of problem sources. This saves valuable time and eliminates the need for manual reactive checks on network performance.



The right cloud for any requirement



Public Cloud

For any scale of installation, hosted centrally and securely in Germany

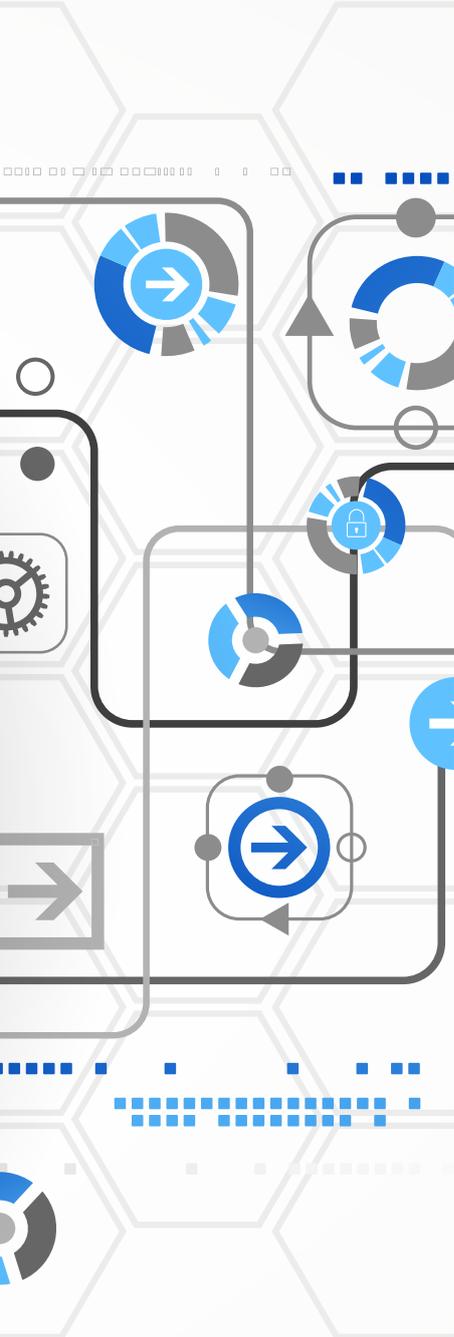
Private Cloud

For system integrators, service providers, and large enterprise installations

SecurITy

TeleTrust Quality Seal
www.teletrust.de/taqip

made
in
Germany



Hyper Integration means: Public Cloud and Private Cloud

You decide how you operate the LANCOM Management Cloud: The Public Cloud is centrally and securely hosted in Germany. It offers maximum scalability and data security for installations of any size. Or you host the system in your own data center, either as your own installation or as a service provider for your customers.

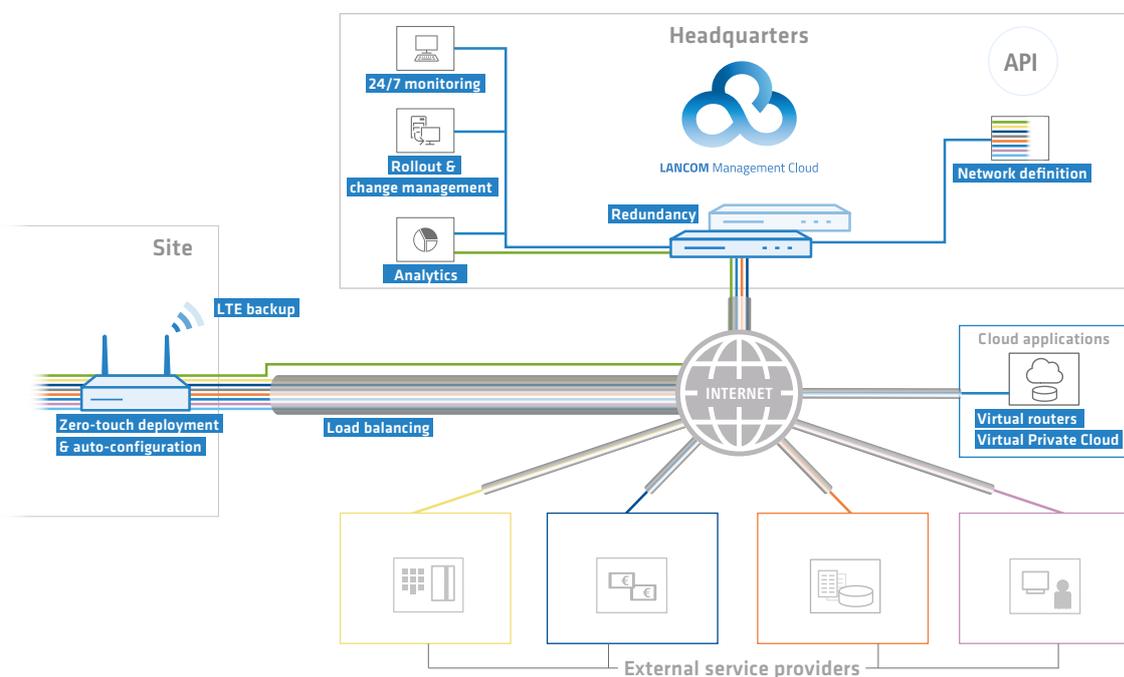
Hyper Integration means: Infrastructure-as-a-Service

IT networks are often implemented using the conventional, static CAPEX model, i.e. the system integrator is involved in the planning of the network and the necessary hardware is then procured and put into operation. Later changes or upgrades are laborious and require technicians on-site. In contrast to this static approach, the LANCOM Management Cloud makes your network agile, future-proof, and easily extendable. This is due to license models which versatily adapt to our requirements. Furthermore, service times are dramatically reduced thanks to agile software-defined technology.

SD-WAN

A software-defined wide-area network (SD-WAN) automatically and dynamically uses any type of wide-area network (WAN) for your site connectivity. Core elements are highly automated multi-service networks which are realized via cost-efficient Internet lines and make expensive MPLS lines redundant. New locations are installed automatically, securely networked with one another, and new applications are created and rolled out with just a few clicks. Backup, load balancing, and redundancy are supported as a matter of course. Software-defined WAN is replacing the conventional, static, and manually configured network infrastructures, and it is drastically reducing IT costs.

SD-WAN application scenario





SD-WAN



VROUTER
(LANCOM VIRTUAL ROUTER)



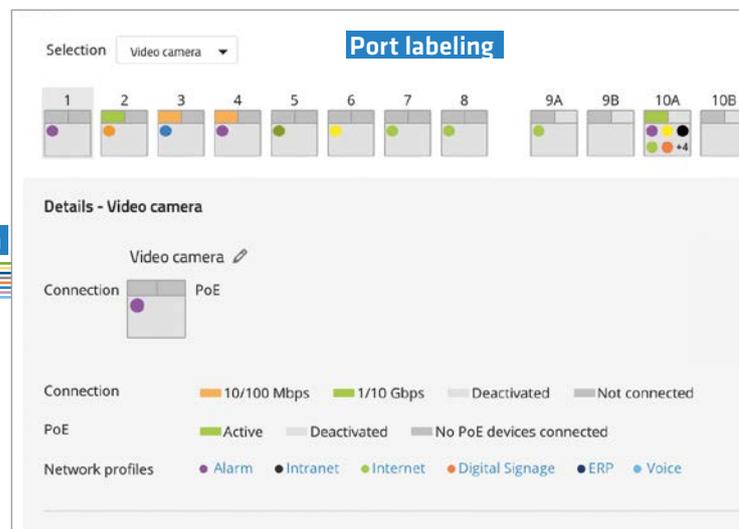
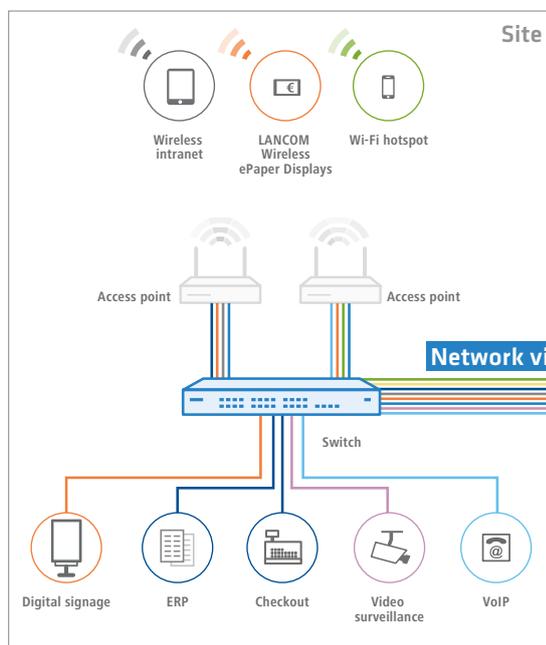
+ Create new network

STATUS	NAME	IP RANGE	VLAN	INTERNET	VPN	HOTSPOT
Active	Alarm	10.6.0.0/16	6	✓	✓	–
Active	Intranet	10.8.0.0/16	8	✓	✓	–
Active	Hotspot	10.100.0.0/16	100	✓	–	✓
Active	Digital Signage	10.2.0.0/16	2	✓	✓	–
Active	ERP	10.1.0.0/16	untagged	✓	✓	–
Active	Voice	10.5.0.0/16	5	✓	–	–
Active	Management	10.3.0.0/16	3	–	✓	–
Active	DevOps	10.7.0.0/16	7	✓	✓	–
Active	Procurement	10.4.0.0/16	4	✓	✓	–

SD-LAN

Short for software-defined local-area network, an SD-LAN supports the automated, dynamic, and secure provisioning of any type of multi-service network on switch ports. What used to be the extremely time-consuming and error-prone configuration of individual switches is now fully automated. For multi-site switch configurations, the required networks (VLANs) are defined once only, they are then assigned to the desired switch ports and made available by all of the switches on the network. You additionally modify the individual switch configurations with the user-friendly graphical VLAN assignment. An SD-LAN not only saves your valuable time, it completely eliminates manual configuration errors.

SD-LAN application scenario





Graphical VLAN assignment

Network profiles

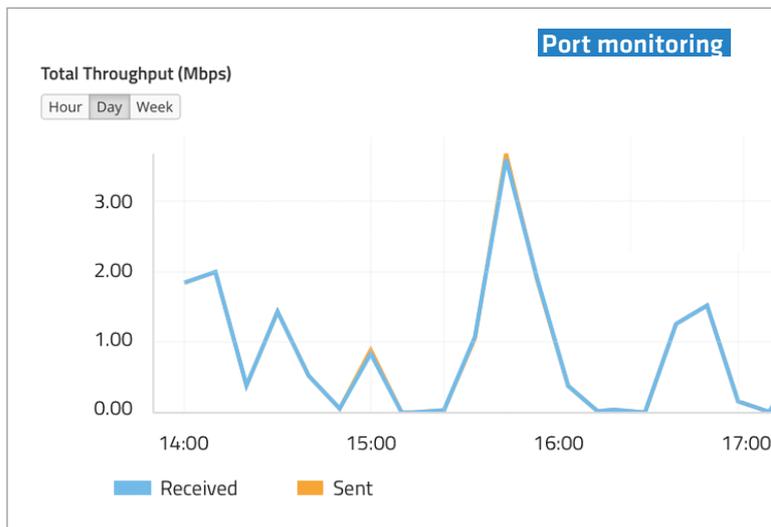
- Default
- Deactivated

Untagged network

Port VLAN ID

- Alarm (VLAN 5)
- Intranet (VLAN 1)
- Internet (VLAN 2)
- Digital Signage (VLAN 10)
- ERP (VLAN 5)
- Voice (VLAN 12)

Port monitoring

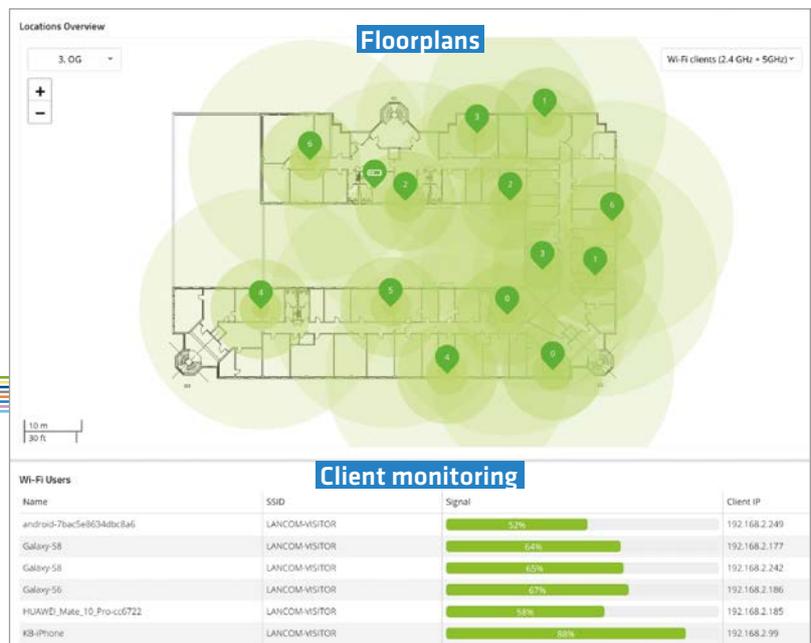
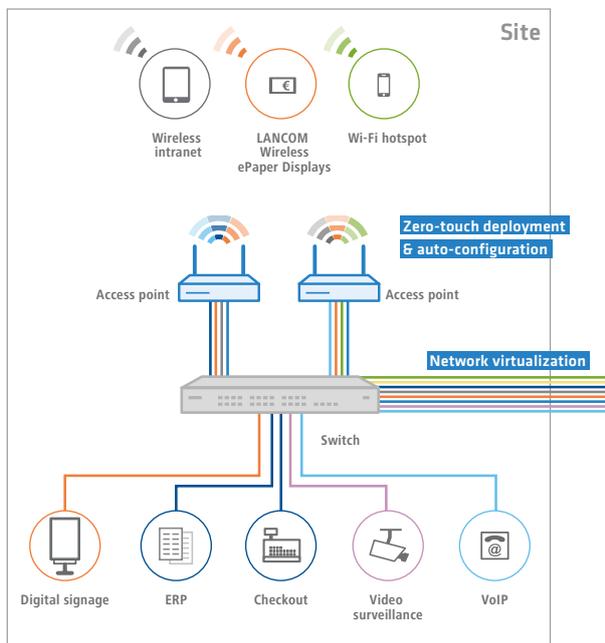


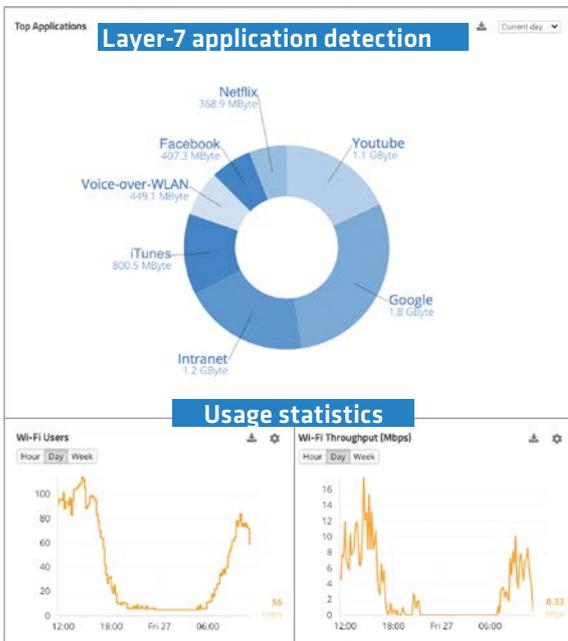
SD-WLAN



A software-defined wireless local-area network (SD-WLAN) combines the features of conventional WLAN controllers and cloud-managed WLANs and supplements these with maximized automation and agility. Further access points or new applications such as hotspots are easily integrated into the network, taking full account of all network policies relating to VLANs, security, bandwidth management or client management. At the same time, an SD-WLAN offers administrators a graphical all-around view of the WLAN status and the application- and client-level load on the entire network – prerequisites for proactive, around-the-clock troubleshooting.

Cloud-managed WLAN





WLAN hotspot

Image for desktop view

Select image

Image for mobile view

Select image

Login

Show custom text on login page

English

Login text

Welcome

Preview

**Did we spark your interest?
Our Inside Sales team will be glad to help you!**

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