LANCOM Product Overview

LANCOM Management Cloud

Learn more about the central management system for automated management and monitoring of networks of any size.

Routers & SD-WAN

Discover the most comprehensive portfolio for secure site networking and SD-WAN.

Security

An essential part of the IT infrastructure is security. Learn more about the state-of-the-art security of the Unified Firewalls.

Switches

Find out more about the LANCOM switch portfolio as a high-performance basis for modern networks of any size.

Wireless LAN

Find out more about the LANCOM access point portfolio for wireless network access.

Headquarters

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→ LANCOM Management Cloud

→ Routers & SD-WAN Gateways

→ Unified Firewalls

→ Switches

→ Wireless LAN

→ Service & Support

→ LANacademy

LANCOM
SYSTEMS

Secure network solutions

LANCOM Systems is the leading European manufacturer of secure, reliable, and future-viable networking and security solutions (WAN, LAN, WLAN, and firewalls) for business and the public sector. The company combines hardware with virtual networking components and cloud-based software-defined networking (SDN). The result is a unique portfolio of on-premises and cloud solutions with a central platform for SD-WAN, cloud-managed networks & security, and SD-Branch.

Secur|Ty
made in Germany

IT-Security – Made in Germany

Software and hardware development as well as manufacturing take place mainly in Germany, as does the hosting of the network management. Special attention is given to providing trusted solutions with excellent security features. Furthermore, freedom from backdoors is a key protection provided by these products. The Trust Seal "IT-Security – Made in Germany" confirms the trustworthiness and the outstanding security levels the products offer.

LANCOM Systems was founded in 2002 and has its headquarters in Wuerselen near Aachen, Germany. Customers include SMEs, government agencies, institutions, and major corporations from all over the world. Since summer 2018, the company has been an independent subsidiary of the Munich-based technology group Rohde & Schwarz GmbH & Co. KG.

Contents

We digitize trust.

Digital sovereignty is essential for companies. For this reason, the more you know about networks, the more confident you will be in deciding what you really need and what challenges your requirements entail. Whatever the needs of your network, on our website you will find a wide range of interesting articles on topics that you can realize with LANCOM Systems as a reliable partner at your side.

Site connectivity

Working across multiple locations requires fast, reliable and, if possible, cost-effective data traffic as well as a high-performance on-site network. Our solutions enable companies to optimize and secure connections to and within their branch offices (WAN, LAN, WLAN, security). Modern SD-WAN and SD-Branch solutions reduce network complexity and unify its management and operation.

More at:
**www.lancom-systems.com/solutions/
site-connectivity**

Network security

Security is more important than ever! Effective network security protects against unauthorized access, data manipulation or data theft with blackmail, system paralysis, and other damage caused by hackers, malware, and viruses. From the basics to urgent measures, you will find insider knowledge on the subject of network security on our LANCOM solutions web pages.

More at:
**www.lancom-systems.com/solutions/
network-security**

Network management

Defining and setting up complex networks is one challenge. The other is handling, expanding, and implementing highest security standards. Learn more on how the LANCOM Management Cloud can help you to reform networks with a minimum of time and expense.

More at:
**www.lancom-systems.com/solutions/
network-management**

LANCOM Management Cloud

No more highly complex and difficult-to-manage networks: The LANCOM Management Cloud (LMC) is a fully integrated management system that intelligently organizes, optimizes, and covers your entire network architecture in the areas of WAN, LAN, WLAN, and security. Complex network configurations that were previously the exclusive job of certified IT experts and involved a lot of manual effort, are now reduced to just a few minutes and clicks.
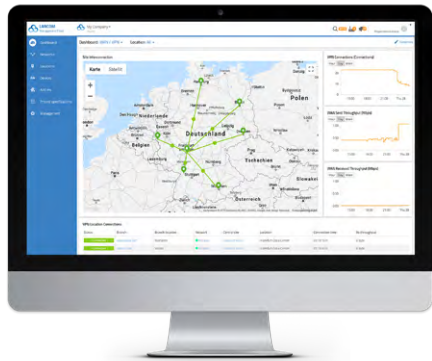
Network management with LANCOM Systems means: All LANCOM gateways, routers, switches, access points, and Unified Firewalls can be quickly and easily integrated into the cloud-based network orchestration.

Comprehensive network orchestration

Using software-defined technology, the LANCOM Management Cloud replaces previously manual and complex individual device configurations with automated and secure network orchestration.

Everything is centrally designed, rolled out, and monitored with just a few clicks – a web browser is all you need! Furthermore, you benefit from monitoring, diagnostics, and troubleshooting around the clock! You are always informed about events in the network, sources of interference can be identified and eliminated immediately.

SD-WAN gateway   Switch   Access point

Unified Firewall   Switch   Access point

vRouter / vFirewall   Switch   Access point
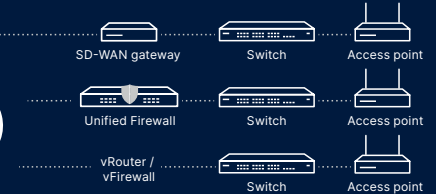
Highlights of the LANCOM Management Cloud

→ Highly automated system for time and cost savings

→ Control and monitoring of the entire network via one system – scalable for any network size

→ Zero-touch deployment and auto-configuration

→ Multi-client capability and flexible roles and rights system

→ Easy device integration thanks to runtime-based licensing model

Scan or learn more at:
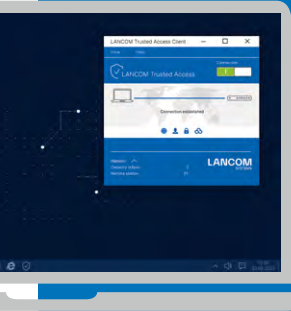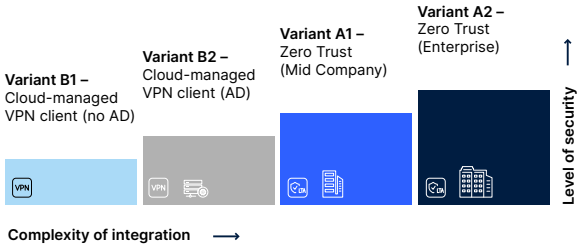**www.lancom-systems.com/cloud**

LANCOM Trusted Access

LANCOM Trusted Access is the trusted network access security solution for enterprise networks. It enables secure access to corporate applications for employees in the office, at home, or on the road, protecting modern hybrid working.

- Flexibly scalable secure network access solution
- Choice of granular access control per user to dedicated applications or entire networks
- Lateral protection against the internal spread of malware
- Full integration into the LANCOM Management Cloud (LMC)
- 100% GDPR compliant

How to integrate LANCOM Trusted Access optimally into your infrastructure you can find out at **lancom-systems.com/lta-onboarding.** By answering the interactive questionnaire, in just a few clicks you will be presented tutorials videos for the expansion stage you have determined.

Depending on user management, implementation of stricter security, and the size of the company, there are four different level of integration of LANCOM Trusted Access available:

Variant B1 –
Cloud-managed VPN client (no AD)

Variant B2 –
Cloud-managed VPN client (AD)

Variant A1 –
Zero Trust (Mid Company)

Variant A2 –
Zero Trust (Enterprise)

Level of security →

Complexity of integration ⟶

LANCOM Active Radio Control 2.0

Automated, self-learning Wi-Fi optimization

LANCOM Active Radio Control 2.0 is the answer to increasingly complex networks coupled with rising cost pressure and a shortage of IT specialists: The self-learning automation solution optimizes Wi-Fi installations on the basis of real usage data and minimizes the workload for IT administrators.

The result: reduced costs of up to 99% for Wi-Fi setup and optimization

- Automated optimization of channel distribution
- Automated optimization of channel width
- Automated optimization of transmission power
- No additional costs due to integration into the LANCOM Management Cloud
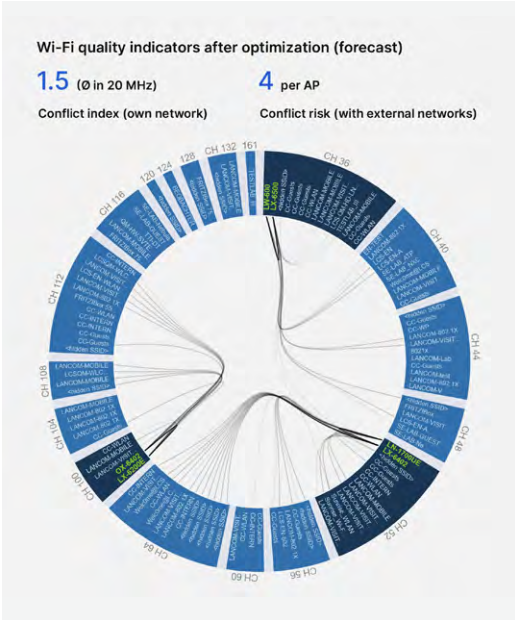
Further information about ARC 2.0

SD-WAN Gateways of the 1900 Series

Large network infrastructures with multiple locations require bandwidth professionals to efficiently manage modern, data-intensive applications. With the LANCOM 1900 series, you can rely on devices for secure and high-performance SD-WAN scenarios and efficient use of any available lines at the site.

LANCOM 1926VAG

- 2x VDSL Supervectoring (can be used in parallel, backwards compatible to VDSL2 / ADSL2+), alternatively use of a modem on a G.Fast port, 1x SFP / TP, 1x WAN Ethernet
- Load balancing for ideal load distribution and maximization of the available bandwidth
- Integrated telephony functions
- 2 ISDN interfaces (NT) and 4 analog interfaces
- 25 IPSec VPN connections (opt. 50 / 100)

LANCOM 1926VAG-4G

- Like LANCOM 1926VAG, with dual-SIM LTE Advanced for up to 300 Mbps

LANCOM 1900EF

- Multi-WAN VPN gateway with 1x SFP / TP, 1x WAN Ethernet
- Load balancing for ideal load distribution and maximization of the available bandwidth
- Integrated telephony functions
- 25 IPSec VPN connections (opt. 50 / 100)

High-performance 5G access

- → Highest availability and best bandwidths for the use of real-time applications such as video streaming or augmented reality (AR)
- → Outstanding speed with lowest latencies
- → Ideal for environments with a high user density
- → Backwards compatible with the 4G LTE network

LANCOM 1926VAG-5G

- Like LANCOM 1926VAG, with integrated 5G modem
- Primary operation via 4G / 5G or in active / active operation in parallel with other access types

LANCOM 1900EF-5G

- Like LANCOM 1900EF, with integrated 5G modem
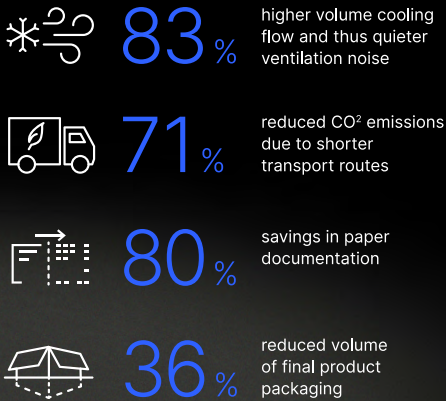- Primary operation via 4G / 5G or in active / active operation in parallel with other access types

You can find suitable 5G cellular antennas at:
www.lancom-systems.com/products/software-accessories

LANCOM 1800 blackline

Sophisticated technology meets trending design

How do you combine high performance with a modern look and sustainable production at the same time? With LANCOM 1800 blackline – the housing of our new 1800 series SD-WAN gateways. In this modern, black, and elegant design, we bundle our years of experience for reliable site networking.
But just see for yourself:

Find out more about LANCOM 1800 blackline

83% higher volume cooling flow and thus quieter ventilation noise

71% reduced CO_2 emissions due to shorter transport routes

80% savings in paper documentation

36% reduced volume of final product packaging

Compared to the classic LANCOM CPE housing

LANCOM 1800VAW-4G

POWER · ONLINE · WAN · SFP · DSL · ETH 1 · ETH 2 · ETH 3 · ETH 4 · 4G · WLAN 1 · WLAN 2 · VPN

| Pioneering technology | Clear design | Local production | Recycling-optimized design | Reduced noise emissions | Ecological packaging |

New

LANCOM 1803VAW-5G

SD-WAN VoIP gateway with telephony, VDSL, fiber, Wi-Fi 6, and 5G

New

LANCOM 1800VAW-4G

SD-WAN gateway with VDSL, fiber, Wi-Fi, and 4G

New

LANCOM 1800VA-5G

SD-WAN gateway with VDSL, fiber, and 5G

New

LANCOM 1800VAW

SD-WAN gateway with VDSL, fiber, and Wi-Fi 6

SD-WAN Gateways

As a small or medium sized business, your focus is on a reliable network with a secure connection to your branches, employees, or service providers. With LANCOM routers you can rely on professional devices with a wide range of interfaces for secure SD-WAN infrastructures.

LANCOM 1800EF / 1800EFW / 1800EF-5G

- Gigabit-speed Internet via external modems or fiber optics
- 5 IPSec VPN connections (opt. 25)
- Incl. USB port for integration of modern IoT wireless systems
- Bearer of the IT Security Label (BSI)
- **LANCOM 1800EFW** additionally with dualband concurrent Wi-Fi 6 with up to 1,200 Mbps at 5 GHz and up to 575 Mbps at 2.4 GHz
- **LANCOM 1800EF-5G** additionally with integrated 5G modem

LANCOM 1790VA-4G+

- Integrated VDSL Supervectoring modem for up to 300 Mbps (backwards compatible to VDSL2 / ADSL2+)
- LTE Advanced for up to 300 Mbps
- 5 IPSec VPN connections (opt. 25)
- Incl. USB port for integration of modern IoT wireless systems
- Bearer of the IT Security Label (BSI)

LANCOM 1790VA

- Like LANCOM 1790VA-4G+, without LTE Advanced

LANCOM 1790-4G+

- Like LANCOM 1790VA-4G+, without VDSL

LANCOM 1780EW-4G+

- Gigabit Ethernet for connection to external DSL or cable modems
- LTE Advanced for up to 300 Mbps
- Wi-Fi at up to 867 Mbps with Wi-Fi 5 or 300 Mbps with Wi-Fi 4
- 5 IPSec VPN connections (opt. 25)
- Bearer of the IT Security Label (BSI)

New

LANCOM IAP-5G

- Integrated 5G modem for low latency and high bandwidth
- Full metal housing as per IP50
- Extended temperature range (-20°C to +50°C)
- 5 IPSec VPN connections (opt. 25)

LANCOM 1640E

- Gigabit Ethernet for connection to external DSL or cable modems
- 3 IPSec VPN connections
- Incl. USB port for the integration of modern IoT wireless systems
- Bearer of the IT Security Label (BSI)

LANCOM Virtual CPE

- Software-based router for operation in virtual environments
- Licenses for LANCOM vRouter 50 and vRouter 250

SD-WAN VoIP Gateways

As a migration solution for operating analog, ISDN, and VoIP terminals at an All-IP exchange line or for fast Internet by means of Supervectoring – the LANCOM SD-WAN VoIP gateways are ideal for a wide range of applications in your small and medium-sized network infrastructures. Telephony functions such as LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller) are already integrated.

LANCOM 1793VA-4G+

- Integrated VDSL Supervectoring modem for up to 300 Mbps (backwards compatible to VDSL2 / ADSL2+)
- LTE Advanced for up to 300 Mbps
- Integrated telephony functions
- 2 ISDN interfaces (1x TE / NT and 1x NT) and 4 analog interfaces
- 5 IPSec VPN connections (opt. 25)
- Incl. USB port for integration of modern IoT wireless systems
- Bearer of the IT Security Label (BSI)

LANCOM 1793VA

- Like LANCOM 1793VA-4G+, without LTE Advanced

LANCOM 1793VAW

- Like LANCOM 1793VA-4G+, without LTE Advanced
- Wi-Fi at up to 867 Mbps with Wi-Fi 5 or 300 Mbps with Wi-Fi 4

Find your ideal router!

Simply answer the questions of the LANCOM Router Matchmaker at:

www.lancom-systems.com/router-matchmaker

Further information on products and availability can be found at:
www.lancom-systems.com/products/routers-sd-wan/voip-routers

IT Security Label of the
LANCOM 1800EF

IT Security Label of the BSI

More transparency and consumer protection when it comes to router selection: The IT Security Label identifies digital products for which manufacturers or service providers have assured compliance with security requirements of the German Federal Office for Information Security (BSI).

This creates a practical tool for consumers to find out about the security features of the labeled product before making a purchase decision.

Learn more at:
www.lancom-systems.com/bsi-it-security-label

SD-WAN Central Site Gateways

Central site performance and reliability are key for very large multi-service IP networks. These central site gateways are at the heart of your SD-WAN, providing security and high performance.

LANCOM ISG-8000

- 250 IPSec VPN connections (opt. up to 3,000)
- Network virtualization with up to 256 networks (ARF)
- 2x 10G / SFP+ ports, 8x Gigabit Ethernet ports
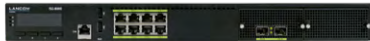
LANCOM ISG-5000

- 100 IPSec VPN connections (opt. up to 1,000)
- Network virtualization with up to 256 networks (ARF)
- 2x 10G / SFP+ ports, 6x Gigabit Ethernet ports

Software-based performance: LANCOM vRouter

Whether as a virtual branch router (vCPE), central gateway (vGateway), or WLAN controller (vWLC): The LANCOM vRouter gives you maximum flexibility in terms of network size and performance requirements for operation with VMware ESXi, Amazon Web Services (AWS), Microsoft Hyper-V, or Microsoft Azure.

Variants can be found at: **www.lancom-systems.com/vrouter**

LANCOM SD-WAN – secure growth comes automatically

Do you want fast, reliable, and flexible access to the Internet, applications, and data – anytime, anywhere? Switch to one of the most agile and secure network solutions on the market.

LANCOM SD-WAN replaces traditional, static, manually configured network infrastructures with automated provisioning and site configuration over Internet-based wide-area networks (WAN).

Why LANCOM SD-WAN?

→ Maximum cost savings by replacing or supplementing expensive MPLS lines

→ Maximum automation with zero-touch WAN provisioning

→ Maximum agility through rapid provision and secure separation of digital applications

→ Best scalability and availability due to next-generation technologies such as High Scalability VPN, Mesh VPN, Auto-VPN, Dynamic Path Selection, and Load Balancing

→ Made & hosted in Germany, if required also as a private cloud

Scan or learn more at:
www.lancom-systems.com/sd-wan

Router Accessories

With the precisely fitting accessories, you can simplify the installation of devices or expand the functional scope of your LANCOM hardware according to your individual needs.

New

LANCOM 750-5G

- Operation as a freely positionable
- 5G network extension or as a stand-alone 5G router
- Connected to LANCOM router or switch
- Power supply via PoE as per IEEE 802.3af or power supply unit

LANCOM 730-4G+

- Like LANCOM 750-5G, without 5G and with PoE as per IEEE 802.3at
- LTE-Advanced for up to 300 Mbps
- Carrier of the IT security mark (BSI)

LANCOM SFP modules*

- Versatile application in switches, routers, and firewalls with integrated SFP ports
- For (bidirectional) fiber-optic networking or as copper-cabled Ethernet port
- Also available in bulk or as Direct Attached Cable

LANCOM CPE blackline Rack Mount (Plus)

- Mounting bracket for LANCOM gateways in blackline housing in 19" cabinets
- Plus variant additionally with connection ports redirected to the front

LANCOM Rack Mount (Plus)

- Mounting bracket for LANCOM devices in classic housing in 19" cabinets
- Plus variant additionally with connection ports redirected to the front

* Suitable SFP modules can be found in the product comparison table as well as further information at: www.lancom-systems.com/sfp-modules

LANCOM Wall Mount

- Convenient wall mounting for LANCOM routers with indoor housing
- Theft-proof thanks to padlock
- Also available as Wall Mount (Rail) and as Wall Mount (LN) for access points of the LN / LX series

Software VPN Clients

Whether in the home office, abroad, or on the road – with the LANCOM Advanced VPN Client your employees can access the corporate network with just one click via a secure VPN tunnel and work as if they were in the office. The software is available for the operating systems Windows* and macOS**.

LANCOM Advanced VPN Client Windows

- IPSec VPN client for Windows 11 and Windows 10
- Integrated stateful inspection firewall
- Support for IPv4 and IPv6 VPN
- IKEv2 support
- IPSec-over-HTTPS (based on NCP VPN Path Finder technology)
- Seamless Roaming – VPN connections remain intact even with media changes

LANCOM Advanced VPN Client macOS

- IPSec VPN client for macOS
- Integrated stateful inspection firewall
- Support for IPv4 and IPv6 VPN
- IKEv2 support
- IPSec-over-HTTPS (based on NCP VPN Path Finder technology)

* Microsoft and Windows are either registered trademarks or trademarks of Microsoft Corporation in the U.S. and / or other countries.
** Mac and macOS are trademarks of Apple Inc. registered in the U.S. and other countries.

Desktop Unified Firewalls

Small and medium-sized businesses (SMBs) are increasingly becoming the target of cyber attacks. That is why the multi-layered, trusted threat protection of the LANCOM R&S®Unified Firewalls is essential – uncomplicated and tailored to your requirements. Rely on state-of-the-art security technologies and Unified Threat Management (UTM) "Made in Germany" as well as full VPN functionality.

LANCOM R&S®UF-60 LTE / UF-60 / UF-160 / UF-260

- Ideal for small and medium-sized networks or individual sites with low to medium data volumes
- **UF-60 LTE** additionally with LTE Advanced

LANCOM R&S®UF-T60

- Sturdy housing, especially for industrial sites in harsh industrial environments

	UF-T60	UF-60 / UF-60 LTE	UF-160	UF-260
Ports	5x GE copper, 2x SFP	4x GE copper	4x GE copper	4x GE copper, 1x SFP
Firewall throughput TCP (Mbps)	3,700	3,500	3,550	4,450
VPN throughput IPSec (Mbps)	1,200	790	1,200	1,500
UTM throughput HTTPS (Mbps)	200	150	170	340

Find your right firewall!

Simply answer the questions of the LANCOM Firewall Matchmaker at:

www.lancom-systems.com/firewall-matchmaker

Rack Unified Firewalls

Especially growing, distributed enterprises and education institutes with demanding networks and high data traffic require high-performance firewalls.

The future-proof rack models of the LANCOM R&S®Unified Firewalls combine top performance and VPN functionality with an integrated UTM security solution "Made in Germany".

LANCOM R&S®UF-360 / UF-760

- Ideal for larger networks with high data volumes

	UF-360	UF-760
Ports	6x GE copper, 2x SFP+	8x GE copper, 2x SFP+
Opt. extension modules	1G ETH, 1G SFP, 10G SFP+	1G ETH, 1G SFP, 10G SFP+, 40G QSFP+
Firewall throughput TCP (Mbps)	11,600	49,830
VPN throughput IPSec (Mbps)	2,200	19,700
UTM throughput HTTPS (Mbps)	420	3,400

Software-based security: LANCOM vFirewall

Used in cloud scenarios or in classic networks of any size, the LANCOM vFirewalls provide the same security and functionality as the LANCOM R&S®Unified Firewalls – without having to apply classic hardware. Operation takes place in a virtualized environment based on a hypervisor such as VMware ESXi, Microsoft Hyper-V, Oracle VirtualBox, or KVM.

Variants can be found at: **www.lancom-systems.com/vfirewall**

Firewall UTM Features

Unified Threat Management (UTM) combines common security mechanisms with latest-generation technologies. Our security pledge to you is quite simple: In the triad of security, compliance, and usability, the effective protection of your network is our priority!

Top 5 UTM highlights

Control over applications and content with Application Management & R&S®PACE 2 Deep Packet Inspection (DPI) engine

Database-based protection against known threats with Intrusion Detection and Prevention System (IDS / IPS)

Preventive security against unknown threats with cloud-based sandboxing and machine learning (Anti-Virus)

Protection against phishing attacks with DNS Web Filter and Content Filter as well as HTTP(S) proxy (Secure Web Gateway, SWG)

User-based rules and network separation with network segmentation (VLAN)

Tailor-fit security management

Minimize the risks to your network security with centralized management and monitoring of the LANCOM R&S®Unified Firewalls with these management tools:

→ **Graphical web interface** for transparent and detailed configuration of individual firewalls with intuitive usability

→ **LANCOM Management Cloud**, the powerhouse of network management for all LANCOM devices: with just a few clicks, thanks to the "One-Click Security" concept, security rules are centrally created, adapted, and rolled out to one or more sites automatically – based on industry-leading cybersecurity technology.

Firewall License Model

For operating the LANCOM R&S®Unified Firewalls and LANCOM vFirewalls, a valid license is required. With the flexible licensing model, you can choose between your desired scope of functions (Basic or Full) and the available license periods of 1, 3, or 5 years.

LANCOM License **UF Basic**	Activates the firewall functions and includes free support and firmware updates
LANCOM License **UF Full**	Complements the LANCOM UF Basic License with complete UTM and VPN functions as well as a Content Filter including the protection of minors

Firewall Accessories

LANCOM Firewall Extension Modules*

- Versatile port extension for LANCOM R&S®Unified Firewalls
- For fast fiber-optic networking or additional Ethernet ports

LANCOM SPSU UF-760

- 300-watt hot-swappable power supply unit for highest reliability of the LANCOM R&S®Unified Firewall UF-760

LANCOM Firewall Rack Mount

- Sturdy mounting rails for desktop models of the LANCOM R&S®Unified Firewalls in 19" cabinets
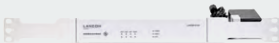
* Suitable extension modules and SFP modules can be found in the product comparison table and further information at: www.lancom-systems.com/products/security/accessories

Further information on products and availability can be found at: www.lancom-systems.com/products/security

Fully Managed Aggregation Switches

The LANCOM aggregation switches enable you to build hierarchical switch infrastructures by connecting them to subordinate access switches. Equipped with fiber-optic and multi-Gigabit Ethernet ports as well as high-throughput uplink and stacking ports, they are your reliable distribution basis for failsafe networks.

LANCOM XS-6128QF

- 28-port stackable 10G fiber aggregation switch for medium-sized and large distributed networks
- Up to 1,000 Gbps switch capacity
- 20x 10G downlink ports, including 16x SFP+ (1G / 10G) and 4x multi-Gigabit combo downlink ports (SFP+ / 1G / 2.5G / 5G / 10G nBASE-T) and 4 additional SFP+ ports when using of SFP+ modules in the 4x SFP28 ports
- 4x SFP28 (10G / 25G) or 2x QSFP+ (40G) FleX uplink ports
- Stacking via 4x dedicated SFP-DD FleX ports (25G / 50G)
- Full Layer-3 functionality
- Highest availability due to redundant, hot-swappable PSU and 2 hot-swappable fans
- Limited Lifetime Warranty included

LANCOM XS-5116QF

- 16-port stackable 10G fiber aggregation switch for medium-sized distributed networks
- Up to 440 Gbps switch capacity
- 12x SFP+ (1G / 10G) and 2x multi-Gigabit combo downlink ports (SFP+ / 1G / 2.5G / 5G / 10G)
- 2x QSFP+ uplink or stacking ports (40G)
- Stacking via QSFP+ uplink ports
- Full Layer-3 functionality
- High availability due to redundant, hot-swappable PSU
- Limited Lifetime Warranty included

LANCOM XS-5110F

- 10-port stackable 10G fiber aggregation switch for smaller distributed networks
- Up to 200 Gbps switch capacity
- 8x SFP+ (1G / 10G) and 2x multi-Gigabit Ethernet ports (1G / 2.5G / 5G / 10G)
- Stacking via downlink ports
- Full Layer-3 functionality
- Limited Lifetime Warranty included

Fully Managed Enterprise Access Switches with PoE++

The new LANCOM GS-4500XUP switches are ideal for data-intensive infrastructures in enterprise environments. They support 2.5 Gigabit Ethernet as well as the PoE standard IEEE 802.3bt (PoE++) and thus form the basis for operating powerful Wi-Fi 6 and Wi-Fi 6E access points.

New

LANCOM GS-4554XUP

- 54-port multi-Gigabit PoE++ switch (full L3)
- 48× 2.5G / 4× 10G / 2× 40G
- 480 Gbps switch capacity, 1,440 W PoE budget
- Limited Lifetime Warranty included

New

LANCOM GS-4530XUP

- 30-port multi-Gigabit PoE++ switch (full L3)
- 24× 2.5G / 4× 10G / 2× 40G
- 360 Gbps switch capacity, 1,440 W PoE budget
- Limited Lifetime Warranty included

Fully Managed Enterprise Access Switches

With these stackable switches, you not only create large-scale LAN infrastructures efficiently and reliably, but also implement network extensions, redundancy scenarios, or single-IP management.

LANCOM GS-4554X / GS-4554XP

- 54-port stackable multi-Gigabit access switch for enterprise networks
- 12x 2.5 Gigabit Ethernet ports, 36x 1 Gigabit Ethernet ports, 4x SFP+ (1G / 10G) and 2x QSFP+ uplink or stacking ports (1G / 40G)
- Stacking via SFP+ or QSFP+ FleX ports
- Full Layer-3 functionality
- Highest availability due to redundant fan and PSU
- Limited Lifetime Warranty included
- **LANCOM GS-4554XP** additionally with PoE support as per IEEE 802.3af/at (820 W, with 2nd PSU 1,440 W) and front-to-back ventilation

LANCOM GS-4530X / GS-4530XP

- 30-port stackable multi-Gigabit access switch for enterprise networks
- 12x 2.5 Gigabit Ethernet ports, 12x 1 Gigabit Ethernet ports, 4x SFP+ (1G / 10G) and 2x QSFP+ uplink or stacking ports (1G / 40G)
- Stacking via SFP+ or QSFP+ FleX ports
- Full Layer-3 functionality
- Highest availability due to redundant fan and PSU
- Limited Lifetime Warranty included
- **LANCOM GS-4530XP** additionally with PoE as per IEEE 802.3af/at (720 W) and front-to-back ventilation

Maximum warranty thanks to Limited Lifetime Warranty

All LANCOM enterprise access switches of the 4000 series as well as the aggregation switches include the LANCOM Limited Lifetime Warranty (LLW) – directly at the time of purchase and without hidden costs! This means that your high-performance switches are reliably protected throughout their entire lifecycle.

You benefit from:

→ Hardware warranty up to the End of Life status (EoL) of the device (maximum 10 years)

→ Security updates up to the EoL status

→ Fast and uncomplicated processing in the case of device defect with free repairs

Further information can be found at: www.lancom-systems.com/lifecycle

Fully Managed SMB Access Switches

LANCOM fully managed SMB access switches are the secure and powerful networking basis in all industries and application scenarios. You get a maximally reliable solution that is easy and effective to manage.

New

LANCOM GS-3652X / GS-3652XP / GS-3652XUP

- 52-port multi-Gigabit access switch for intelligent networking scenarios
- 12x 2.5 Gigabit Ethernet ports, 36x 1 Gigabit Ethernet ports and 4x SFP+ ports (1G / 10G)
- Basic Layer-3 functions (static routing, DHCP server)
- Ideal in combination with Wi-Fi 6 access points
- **LANCOM GS-3652XP** additionally with PoE support as per IEEE 802.3af/at (740 W)
- **LANCOM GS-3652XUP** additionally with hot-swappable PSU (820 W, with 2nd PSU 1,440 W), and PoE support as per IEEE 802.3bt type 4 (90 W per 2.5 Gigabit Ethernet port) and front-to-back ventilation

New

LANCOM GS-3628X / GS-3528XP / GS-3628XUP

- 28-port multi-Gigabit access switch for data-intensive networks
- 12x 2.5 Gigabit Ethernet ports, 12x 1 Gigabit Ethernet ports and 4x SFP+ ports (1G / 10G)
- Basic Layer-3 features (static routing, DHCP server)
- Ideal in combination with Wi-Fi 6 access points
- **LANCOM GS-3528XP** additionally with PoE support as per IEEE 802.3af/at (370 W)
- **LANCOM GS-3628XUP** additionally with PoE support as per IEEE 802.3bt type 4 (740 W, 90 W per 2.5 Gigabit Ethernet port)

New

LANCOM GS-3252P

- 52-port Gigabit access switch for cost-effective networking scenarios
- 48x 1 Gigabit Ethernet ports (36 of them with PoE support as per IEEE 802.3af/at (370 W)) and 4x SFP ports (1G)
- Basic Layer-3 functions (static routing, DHCP server)

LANCOM GS-2328F

- 28-port Gigabit fiber switch for interference-free high-speed transmission over distances of several kilometers
- 20x SFP ports (1G), 4x combo ports (TP / SFP), and 4x SFP+ ports (1G / 10G)

LANCOM GS-3126X / GS-3126XP

- 26-port Gigabit access switch for cost-efficient networking scenarios
- 24x 1 Gigabit Ethernet ports and 2x SFP+ ports (1G / 10G)
- Basic Layer-3 functions (static routing, DHCP server)
- **LANCOM GS-3126XP** additionally with PoE support as per IEEE 802.3af/at (185 W)

Further information on products and availability can be found at:
www.lancom-systems.com/products/switches

Find your right access switch!

Simply answer the questions of the LANCOM Switch Matchmaker at:

www.lancom-systems.com/switch-matchmaker

Fully Managed SMB Access Switches

These switches are ideal for your network infrastructures with simple performance requirements. An efficient task distribution among the network components ensures custom-fit networking scenarios.

LANCOM GS-2326+ / GS-2326P+

- 26-port Gigabit switch with 24x 1 Gigabit Ethernet ports and 2x combo ports (TP / SFP), without fan
- **LANCOM GS-2326P+** additionally with PoE support as per IEEE 802.3af/at (185 W) and quiet fan

LANCOM GS-3510XP

- 10-port multi-Gigabit access switch for small office environments
- 4x 2.5 Gigabit and 4x 1 Gigabit Ethernet ports and 2x SFP+ ports (1G / 10G)
- PoE support as per IEEE 802.3af/at (130 W)
- Basic Layer-3 functions (static routing, DHCP server)
- Ideal in combination with Wi-Fi 6 access points
- Zero-dB design

LANCOM GS-2310 / GS-2310P+

- 10-port Gigabit switch with 8x 1 Gigabit Ethernet ports and 2x combo ports (TP / SFP), without fan
- **LANCOM GS-2310P+** additionally with PoE support as per IEEE 802.3af/at (130 W)

* Suitable SFP modules can be found in the product comparison table as well as further information at: www.lancom-systems.com/sfp-modules

Further information on products and availability can be found at: www.lancom-systems.com/products/switches

Unmanaged Switches

These switches are the perfect solution for integrating office equipment in your simple and small network environments at the best price-performance ratio.

LANCOM GS-1108 / GS-1108P

- Unmanaged Gigabit switch with 8x 1 Gigabit Ethernet ports, without fan
- **LANCOM GS-1108P** additionally with PoE support as per IEEE 802.3af/at (60 W) and quiet fan

Switch Accessories

LANCOM SPSU-250

- Hot-swappable power supply unit (250 W)
- Ideal as 2nd PSU for power supply redundancy
- Compatible with LANCOM XS-6128QF, XS-5116QF, GS-4554X, and GS-4530X

LANCOM SPSU-920

- Hot-swappable power supply unit (920 W)
- Ideal as PoE budget extension and for building up power supply redundancy
- Compatible with LANCOM GS-4554XUP, GS-4554XP, GS-4530XUP, GS-4530XP, and GS-3652XUP

LANCOM SFAN-XS6

- Hot-swappable fan module for the LANCOM XS-6128QF

LANCOM Switch Rack Mount L250

- Mounting for LANCOM SMB access switches (from 37 cm depth) in 19" cabinets

LANCOM SFP modules*

- For (bidirectional) fiber-optic networking or as copper-cabled Ethernet port

Wi-Fi 6E Indoor Access Points

By opening the additional 6 GHz spectrum for exclusive Wi-Fi use, you can enjoy the full power of the high-throughput, future-proof, low-interference Wi-Fi 6E technology. That means faster and continuously more stable Wi-Fi, higher capacities for modern, bandwidth-hungry applications, and very low latency. Especially in high-density environments, such as soccer stadiums, airports, or universities, Wi-Fi 6E-enabled access points prove their full capacity.

LANCOM LX-6500 / LX-6500E

- Professional VIP Wi-Fi experience in high-traffic wireless networks
- Parallel tri-band operation in 2.4, 5, and 6 GHz at up to 8,400 Mbps with Wi-Fi 6E and Wi-Fi 6
- 4x4 multi-user MIMO
- 2x 2.5 Gigabit Ethernet ports
- Power supply via PoE (IEEE 802.3bt) or power supply unit
- IoT support: BLE (5.1) and USB 3.0
- **LANCOM LX-6500E** additionally with integrated Wireless ePaper radio module

Wi-Fi 6 Indoor Access Points

LANCOM LX-6400 / LX-6402

- High-performance, professional Wi-Fi for high user densities
- Parallel operation in 2.4 and 5 GHz at up to 3,550 Mbps with Wi-Fi 6
- 4x4 multi-user MIMO
- 1x 2.5 and 1x 1 Gigabit Ethernet ports
- Power supply via PoE (IEEE 802.3at) or power supply unit
- IoT support: BLE (5.0) and USB 3.0
- **LANCOM LX-6400** with internal antennas, **LANCOM LX-6402** with external antennas

LANCOM LX-6200 / LX-6200E

- High-performance, professional Wi-Fi for medium to low user densities
- Parallel operation in 2.4 and 5 GHz at up to 1,775 Mbps with Wi-Fi 6
- 2x2 multi-user MIMO
- 1x 1 Gigabit Ethernet port
- Power supply via PoE (IEEE 802.3at) or power supply unit
- IoT support: BLE (5.1) and USB 2.0
- **LANCOM LX-6200E** additionally with integrated Wireless ePaper radio module

LANCOM LW-600

- Essential, professional Wi-Fi for low user densities
- Parallel operation in 2.4 and 5 GHz at up to 1,775 Mbps with Wi-Fi 6
- 2x2 multi-user MIMO
- 1x 1 Gigabit Ethernet port
- Power supply via PoE (IEEE 802.3af) or power supply unit

Wi-Fi 5 & Wi-Fi 4 Indoor Access Point

Stable Wi-Fi is essential for flexible working and surfing via mobile end devices. With the LANCOM LW-500, you get an access point with Wi-Fi 5 and Wi-Fi 4 for reliable performance and the best Wi-Fi quality in your small and medium-sized wireless networks.

LANCOM LW-500

- Essential, professional Wi-Fi for low user densities
- Parallel operation in 2.4 and 5 GHz
  at up to 867 Mbps with Wi-Fi 5 and
  300 Mbps with Wi-Fi 4
- 2x2 multi-user MIMO
- 2x 1 Gigabit Ethernet ports
- Power supply via PoE (IEEE 802.3af)
  or power supply unit

WLAN Controllers

Even for networks that are not managed via the cloud, you can count on efficient WLAN management. The LANCOM WLAN controllers (WLCs) are the central instance for fully automatic configuration of all WLAN access points and WLAN routers in the network.

LANCOM WLC-1000

- Central firmware rollout, monitoring & management
  of 25 to 1,000 access points and WLAN routers
- Integrated hotspot functionality

LANCOM WLC-30

- Centralized firmware rollout, monitoring & management
  of 6 to 30 access points and WLAN routers
- Integrated hotspot functionality

LANCOM vWLC

- Software-based WLAN controller for operation
  in a virtualized environment

Further information on products and availability can be found at:
www.lancom-systems.com/products/wireless-lan

Find your optimal access point!

In no time at all to the access point for your requirements? It's easy! Simply answer the questions of the LANCOM Access Point Matchmaker at:
www.lancom-systems.com/access-point-matchmaker

WLAN operating models

LANCOM offers the greatest possible versatility for operating your access points: Be it orchestrated from the LANCOM Management Cloud, centrally managed via a WLAN controller, or in stand-alone mode – with LANCOM you can implement any scenario in line with your needs.

Outdoor Access Points

LANCOM outdoor access points offer you the best Wi-Fi for extensive outdoor areas like at the campsite, in sports stadiums, or ski resorts. Thanks to their robust protective housings (IP67) and their extended temperature range from -30°C to +65°C, they can withstand even extreme weather conditions.

LANCOM OX-6400

- Parallel operation in 2.4 and 5 GHz at up to 3,550 Mbps with Wi-Fi 6
- 4x4 multi-user MIMO
- 2x 2.5 Gigabit Ethernet ports (1x PoE-in, 1x PoE-out)
- PoE passthrough
- Rugged IP67 housing
- Bluetooth Low Energy (5.1)
- With integrated 70° Wi-Fi sector antennas for 2.4 and 5 GHz

LANCOM OX-6402

- Parallel operation in 2.4 and 5 GHz at up to 3,550 Mbps with Wi-Fi 6
- 4x4 multi-user MIMO
- 2x 2.5 Gigabit Ethernet ports (1x PoE-in, 1x PoE-out)
- PoE passthrough
- Rugged IP67 housing
- Bluetooth Low Energy (5.1)
- Four omnidirectional antennas included, alt. connection of optional sector antennas

LANCOM OW-602

- Parallel operation in 2.4 and 5 GHz at up to 1,775 Mbps with Wi-Fi 6
- 2x2 multi-user MIMO
- 2x 1 Gigabit Ethernet ports
- Rugged IP67 housing
- Bluetooth Low Energy (5.1)
- Four omnidirectional antennas included, alt. connection of optional sector antenna

Industrial Access Points

Vibrations, dust, and harsh indoor environments: The rugged industrial access points offer you reliable Wi-Fi and withstand any conditions. Whether on mobile machines, in warehouse logistics, or in roofed outdoor areas – with these devices in their robust housing, you can connect even difficult locations at best Wi-Fi 5 performance.

LANCOM IAP-822

- Parallel operation in 2.4 and 5 GHz at up to 867 Mbps with Wi-Fi 5 and 300 Mbps with Wi-Fi 4
- 2x2 MIMO
- 1x 1 Gigabit Ethernet port and 1x Fast Ethernet port
- Rugged all-metal IP50 housing
- Reliable even at demanding temperatures (-20°C to +50°C)

LANCOM IAP-821

- Operation in 2.4 or 5 GHz at up to 867 Mbps with Wi-Fi 5 or 300 Mbps with Wi-Fi 4
- 2x2 MIMO
- 1x 1 Gigabit Ethernet port
- Rugged all-metal IP50 housing
- Reliable even at demanding temperatures (-20°C to +50°C)

Software Options

With the LANCOM software options, you can equip your LANCOM products with a wide range of functionalities. These cost-effective software upgrades expand the range of applications of your existing devices according to your needs.

LANCOM Option **BPjM Filter**	Upgrade for LANCOM routers and WLCs with a youth protection filter (German Federal Review Board, BPjM)*
LANCOM Option **Content Filter**	Upgrade for LANCOM routers and WLCs for a category-based review and blocking of web pages*
LANCOM Option **WLC Basic**	Upgrade for LANCOM routers to add WLAN controller functionality
LANCOM Option **WLC Upgrade**	Upgrade to expand the number of access points or WLAN routers managed by the WLAN controller
LANCOM Option **High Availability Clustering**	Upgrade for central site gateways and WLCs to set up highly available device clusters
LANCOM Option **VPN**	Upgrade for additional VPN channels in LANCOM routers*
LANCOM Option **Enterprise**	Upgrade for LANCOM 88x VoIP routers to expand VPN channels, ARF networks and other functionalities
LANCOM Option **All-IP**	Upgrade for extending LANCOM routers with professional telephony management
LANCOM Option **VoIP +10**	Upgrade to expand LANCOM VoIP routers for 10 additional internal VoIP users

LANCOM Option **Public Spot**	Upgrade for LANCOM routers, WLCs, and access points for setting up secure guest accesses
LANCOM Option **Public Spot PMS Accounting Plus**	Upgrade to combine the hotspot solution with hotel billing systems (Property Management System, PMS)

* These functions are already included in the LANCOM UF Full License of the LANCOM R&S®Unified Firewalls.

Further information on all software options can be found at: www.lancom-systems.com/products/software-options

Cloud-managed hotspot

The LANCOM Management Cloud (LMC) offers the practical option to provide one or more simple Wi-Fi hotspots with just a few clicks. Unlike a non-cloud-managed network, there is no need for an additional gateway or a WLAN controller featuring the LANCOM Public Spot Option – all you do need is a valid LMC license on the local devices that support the hotspot.

LANCOM Services

From support with network problems, planning, configuration, and optimization to acute emergency support, our services offer individual assistance for entire networks exactly when it is needed.

LANCOM Service **WLAN Survey**	WLAN coverage service for the successful planning and implementation of wireless infrastructures
LANCOM Service **Config**	Professional remote or on-site* support for customizing your LANCOM device configurations
LANCOM Service **Emergency Support**	Short-notice, solution-oriented emergency support with a guaranteed response time of max. 30 min.
LANCOM Service **Extended Support Times**	Exclusive support availability at time windows outside regular business hours with minimal response times
LANCOM Service **Consulting Day**	Network optimization consulting with a LANCOM expert on-site* including status quo and problem analysis as well as investment planning

* Applies only for EU.
   Further information about LANCOM Service & Support is available at:
   www.lancom-systems.com/service-support

LANcare

With prioritized support times and replacement services for LANcare products, you can secure your business operations for the long term.

LANCOM Service **LANcare Basic**	Security updates and manufacturer support until EOL, 5 years replacement service
LANCOM Service **LANcare Advanced**	Security updates and manufacturer support until EOL, 5 years NBD advance replacement
LANCOM Service **LANcare Direct 10/5**	Direct 10/5 manufacturer support and security updates, 2 to 4 hours first response times
LANCOM Service **LANcare Direct Advanced 10/5**	Direct 10/5 manufacturer support and security updates, NBD advance replacement, 2 to 4 hours first response times
LANCOM Service **LANcare Direct 24/7**	Direct 10/5 manufacturer support incl. 24/7 emergency hotline and security updates, first response time as of 30 min.
LANCOM Service **LANcare Direct Advanced 24/7**	Direct 10/5 manufacturer support incl. 24/7 emergency hotline and security updates, NBD advance replacement, first response time as of 30 min.
LANCOM Service **LANcare NBD Replacement**	Next business day (NBD) advance replacement in case of defect of an enterprise switch until EOL (max. 10 years)
LANCOM Service **LANcare Premium Support 10/5**	10/5 manufacturer support and security updates for projects, 2 to 4 hours first response times
LANCOM Service **LANcare Premium Support 24/7**	10/5 manufacturer support incl. 24/7 emergency hotline and security updates for projects, first response time as of 30 min.

LANacademy

Understanding, setting up, and maintaining network scenarios need not be a challenge. We equip you with the right know-how and turn you into a professional for IT infrastructures. In the LANacademy workshops, you acquire specific knowledge directly from the manufacturer and can put this knowledge directly into practice. The workshops are optimally designed for specialist resellers, system-vendor technicians, system administrators, and IT decision-makers.

Your advantages

Bundled knowledge from experts
The LANacademy offers you a wide range of workshops on the LANCOM product range as well as the deployment and administration of networks.

Maximum training flexibility
We know about the limited time in your working day and therefore offer you maximum flexibility with different workshop models according to your needs. With us you learn when you like and how you like!

Expertise that sets you apart
You want to stand out from the crowd of providers and use the knowledge you have gained to convince your customers? LANCOM certifications are the best proof of comprehensive network knowledge.

Our workshop models

→ **Web-based Training**
Location-independent and self-responsible learning with exclusively provided materials and free time management, optionally with individual consultation

→ **Virtual Classroom**
Location-independent real-time workshops as online event at fixed times

→ **On-site Classroom**
Presence workshops directly at LANCOM Systems or in hotels at specified times

The workshop offerings

LANCOM Certification Workshops

→ Building know-how in theory and practice for the realization of LANCOM network infrastructures

→ Including LANCOM certification as LANCOM Certified Professional, Specialist, or Expert

LANCOM Technology Workshops

→ **Fundamental Workshops**
Training of general technical basics

→ **Focus Workshops**
Monothematic knowledge on current technologies

→ **Deep Dive Workshops**
In-depth technical knowledge of the LCOS operating system including scripting

LANCOM Sales Workshops

→ Support for sales and presales employees

→ Conveying of solution-oriented added value to increase sales opportunities during customer meetings

Become an IT expert!

Join us on the path to becoming a LANCOM IT expert and expand your know-how. Just scan or register at:
www.lancom-systems.com/lanacademy