LANCOM

Product Overview

SECURE.**NETWORKS.**

- > **Cloud Management**
- > **Routers & VPN Gateways**
- > **All-IP- & VoIP Routers**
- > **Switches**
- > **Wireless LAN**
- > **Service, Training & Support**

LANCOM
Systems

Secure. Networks.
Trusted networking solutions

LANCOM Systems is the leading German manufacturer of networking solutions for business customers and the public sector. LANCOM offers professional users secure and future-proof infrastructure solutions for local-area and multi-site networks (LAN, WLAN, VPN), and also for central network management based on Software-defined Networking technologies (SD-WAN, SD-LAN, SD-WLAN). The solutions for Wireless LAN and Network Connectivity are developed and manufactured in Germany. They run on an operating system (LCOS) that is developed completely in-house. Freedom from backdoors is an essential feature of the products. The quality mark "IT Security Made in Germany" and certification by the German Federal Office for Information Security (BSI) confirm the trustworthiness and the outstanding level of security. The ultimate priorities for us at LANCOM are the trust of our customers and the security of their networks.

WELCOME TO
HYPER-INTEGRATED
NETWORK MANAGEMENT

The LANCOM Management Cloud is the world's first hyper-integrated network management system for the intelligent organization, optimization and control of your entire network architecture. State-of-the-art software-defined networking technology drastically simplifies the provision of integrated networks – the manual configuration of individual devices has become a thing of the past.

HIGHLIGHTS OF THE LANCOM MANAGEMENT CLOUD

> Control of the entire network by one system
> Radically simplified & automated configuration
> Available as a Public Cloud and Private Cloud
> Unsurpassed scalability for networks of any scale
> Unique system for maximum time- and cost savings
> Easy device integration thanks to a term-based licensing model

More information:
www.lancom-systems.com/cloud

This is
Hyper Integration

AUTOMATED, SOFTWARE-DEFINED
NETWORK ORCHESTRATION

> › 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. Complex network configurations are now reduced to just a few minutes and a few clicks!

Maximum agility
and versatility


State-of-the-art
security

Radical time and
cost savings

Highly automated multi-
service networks in top
quality

SOFTWARE-DEFINED
NETWORKING

The LANCOM Management Cloud is a holistic system that controls the entire network infrastructure. All gateways, all routers, all switches, and all access points are quickly and easily transferred to the Cloud-based network orchestration.

Gateways	Switches	Access points
Gateways	Switches	Access points
Gateways	Switches	Access points
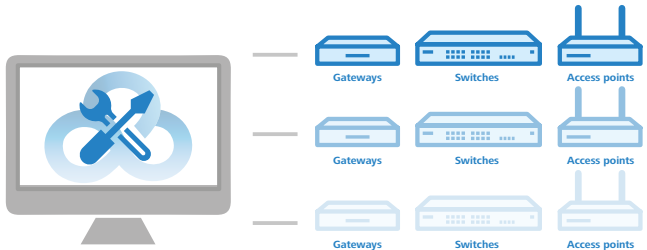
SD-WAN

A software-defined wide-area network (SD-WAN) automatically and dynamically uses any type of wide-area network (WAN) for your site connectivity. New locations are installed automatically, securely networked with one another, and new applications are created and rolled out with just a few clicks.

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.

SD-WLAN

A software-defined wireless local-area network (SD-WLAN) combines the features of WLAN controllers and conventional cloud-managed WLANs and supplements these with maximized automation and agility. New access points or 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.

MADE & HOSTED IN GERMANY

Confidential data in the wrong hands can lead to serious damage to companies. In a market with a strong presence of American and Asian products, LANCOM offers maximum security "Made in Germany". Gateways, routers, access points, the LCOS operating system, and the LANCOM Management Cloud are developed and manufactured in Germany. 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 as a Private Cloud, either as your own installation or as a service provider for your customers.

SecurITy
made
in
Germany

SECURE.**NETWORKS.**

You can rely on IT security Made in Germany from LANCOM and benefit from device handling that is **guaranteed** to be **backdoor-free** and fully compliant with data protection regulation.

Cloud-ready

Products on pages marked with this symbol can be integrated into the LANCOM Management Cloud.

Business VPN Routers
of the 1900 Series

Cloud-ready

Large-scale network infrastructures operating at multiple locations demand true bandwidth experts to keep everything working efficiently in the changing digital environment. The LANCOM business VPN routers of the 1900 series are professional devices for secure VPN networking and high-performance Internet connectivity. With load balancing, versatile backup options and future-proof features, these routers are ideal for many different industries and areas of application.

Multi-WAN, multi-interface - LANCOM high-end routers for large corporate structures

NEW

LANCOM 1906VA-4G

> 2x VDSL2 Vectoring, 1x SFP/TP, 1x WAN Ethernet
> Load balancing & a higher available bandwidth
> Dual-SIM LTE-Advanced up to 300 Mbps
> Professional telephony features thanks to integrated LANCOM VCM (Voice Call Manager) / SBC (Session Border Controller)
> 2 ISDN interfaces (1x TE/NT, 1x NT) and 4 analog interfaces
> 25 simultaneous IPSec VPN connections (optionally 50)
> Network virtualization with up to 64 networks (ARF)

NEW

LANCOM 1906VA

> Like the LANCOM 1906VA-4G but without dual-SIM LTE-Advanced

The bandwidth experts of the LANCOM 1900 series for top performance and intelligent load balancing!

NEW

LANCOM 1900EF

> Multi-WAN VPN gateway with 1x SFP/TP, 1x WAN Ethernet
> Load balancing & a higher available bandwidth
> 25 simultaneous IPSec VPN connections (optionally 50)
> Network virtualization with up to 64 networks (ARF)

Load balancing

Load balancing distributes the data traffic evenly of the network. This ensures that data links are divided between at least two connections, so that even if one line fails, the other one acts as a backup. The LANCOM 1900 series allows the parallel operation of several Internet connections for perfect load balancing and maximization of the available bandwidth.

Business VPN Routers

Cloud-ready
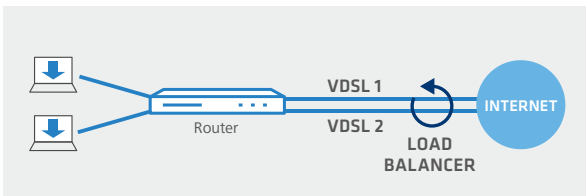
For small and medium-sized companies, the reliable connection of branch offices, employees or service providers is absolutely essential. The LANCOM business VPN routers are professional devices for secure VPN networking and performance Internet connectivity. A choice of interfaces, versatile backup options and future-proof features make these routers ideal for many different industries and areas of application.

The VPN routers for diverse requirements – ideal for small and medium-sized companies

LANCOM 1781VA-4G

> Integrated VDSL2 / ADSL2+ modem
> Integrated LTE/4G modem for up to 100 Mbps
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1781VAW

> Like the LANCOM 1781VA-4G except for LTE
> Wi-Fi based on IEEE 802.11n for up to 300 Mbps

LANCOM 1781VA

> Like the LANCOM 1781VA-4G except for LTE

LANCOM 1781EF+

> High-speed Internet via external modems or fiber-optics
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1781EW+

> High-speed Internet via external modems
> Wi-Fi based on IEEE 802.11n for up to 450 Mbps
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1790-4G

> LTE-Advanced for up to 300 Mbps
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1780EW-4G+

> Gigabit Ethernet for connection to DSL or cable modems
> LTE-Advanced for up to 300 Mbps
> WLAN for operation at 2.4 or 5 GHz with up to 867 Mbps with IEEE 802.11ac or 300 Mbps with IEEE 802.11n
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM IAP-4G

> Integrated LTE/4G modem for up to 100 Mbps
> Full-metal housing based on IP50
> Extended temperature range (-20°C to +50°C)
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1640E

> Gigabit Ethernet for connection to external DSL or cable modems
> 3 simultaneous IPSec VPN connections
> Network virtualization with up to 2 networks (ARF)

Business VoIP Routers

As a migration solution for operating analog, ISDN, and VoIP terminals at an All-IP exchange line or for fast Internet – these networking experts of the 1793 series are ideal for the diverse demands of modern small and medium-sized companies.

Professional telephony & high-performance networking

LANCOM 1793VA-4G

> Integrated VDSL Supervectoring modem for up to 300 Mbps (backwards compatible with VDSL2 / ADSL2+)
> LTE-Advanced for up to 300 Mbps
> Professional telephony thanks to the integrated LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller)
> 2 ISDN interfaces (1x TE/NT, 1x NT) and 4 analog interfaces
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1793VAW

> Like the LANCOM 1793VA-4G except for LTE-Advanced
> Wi-Fi operation at 2.4 or 5 GHz with up to 867 Mbps with IEEE 802.11ac or 300 Mbps with IEEE 802.11n

LANCOM 1793VA

> Like the LANCOM 1793VA-4G except for LTE-Advanced

LANCOM DECT 510 IP

> Easy integration into networks via LANCOM business VoIP routers and routers with an activated All-IP Option

> Automatic configuration of the base station via the LANCOM router

> Use up to 6 DECT handsets

> 4 calls in parallel

Business VoIP Routers

Cloud-ready

These routers are the ideal solution for All-IP migration that lets you continue to operate your analog and ISDN equipment. With the LANCOM All-IP products you benefit from versatile interfaces for high-speed Internet access along with secure VPN networking. Furthermore, you gain professional and secure telephony features with the integrated VCM (Voice Call Manager) and SBC (Session Border Controller).

Professional telephony & reliable networking

LANCOM 1783VA-4G

> Integrated VDSL2 / ADSL2+ modem
> Integrated LTE modem for up to 100 Mbps
> Professional telephony thanks to the integrated LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller)
> 2 ISDN interfaces (1x TE/NT, 1x NT) and 2 analog interfaces
> 5 simultaneous IPSec-VPN connections (25 optional)
> Network virtualization with up to 16 networks (ARF)

LANCOM 1783VAW

> Like the LANCOM 1783VA-4G except for LTE
> Wi-Fi operation at 2.4 or 5 GHz with up to 300 Mbps with IEEE 802.11n

LANCOM 1783VA

> Like the LANCOM 1783VA-4G except for LTE

LANCOM 1784VA

> Like the LANCOM 1783VA, but with 4 ISDN interfaces (2x TE/NT and 2x NT) and no analog interfaces

LANCOM 883 VoIP

> Integrated VDSL2 / ADSL2+ modem
> Wi-Fi based on IEEE 802.11n for up to 300 Mbps
> 2 ISDN interfaces (1x TE/NT, 1x NT) and 2 analog interfaces
> Professional telephony thanks to the integrated LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller)
> 3 simultaneous IPSec VPN connections
> Network virtualization with up to 2 networks (ARF)

LANCOM 884 VoIP

> Integrated VDSL2 / ADSL2+ modem
> 4 ISDN interfaces (1x TE/NT, 1x NT)
> Professional telephony thanks to the integrated LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller)
> 3 simultaneous IPSec VPN connections
> Network virtualization with up to 2 networks (ARF)

Internet Access Routers

Secure and reliable Internet access is vitally important to small businesses, medical practices and law firms. LANCOM offers you professional and cost-efficient routers especially for applications at single sites – customized exactly to your needs.

Reliable and secure Internet access

LANCOM 730VA

> Integrated VDSL2 / ADSL2+ modem
> Integrated stateful inspection firewall
> Network virtualization with up to 2 networks (ARF)
> New as of LCOS 10.20: Applicable either as router or DSL modem

LANCOM 730-4G

> Freely positionable 4G network extension and backup line with up to 100 Mbps
> Easily connected to a LANCOM router or switch
> Powered by PoE or power supply unit
> Also operates as a stand-alone 4G router

Hardware Accessories

LANCOM offers a comprehensive range of accessories for many applications. With convenient rack- or wall-mounting options and SFP modules for fast fiber-optic connections, you can adapt your LANCOM product to fit your specific needs.

LANCOM SFP MODULES*

> Versatile use in LANCOM switches and routers with integrated SFP ports

> For high-speed fiber-optic networking or as a copper-cabled Ethernet port

> Also available as Direct Attached Cable for networking LANCOM switches

* Please find suitable SFP modules in the table in the annex.

LANCOM RACK MOUNT (19")

> Suitable for front or rear device mountings

> For all LANCOM devices with the indoor housing

LANCOM RACK MOUNT PLUS (19")

> Connectors redirected to the front allow convenient access while viewing the status LEDs

> For all LANCOM devices with the indoor housing

LANCOM WALL MOUNT

> Convenient wall mounting for all LANCOM indoor access points and routers with plastic housings

> Theft-proof thanks to padlock

> Available in the colors "classic" and "white"

> Also available as Wall Mount (Rail) in the "classic" color variant and as Wall Mount (LN) for the LN housing

VPN Software Clients

Even while traveling or at their home office, employees can dial-in to the corporate network at any time at the click of a mouse: The LANCOM Advanced VPN Client enables secure and convenient data communication over the Internet. The software is available for the operating systems Microsoft Windows* and macOS**.

LANCOM ADVANCED VPN CLIENT FOR WINDOWS

> IPSec-VPN client for Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista (32 and 64 bit)
> Integrated stateful inspection firewall
> Prioritization of Voice over IP data
> IPSec-over-HTTPS (based on NCP VPN Path Finder technology)
> Seamless roaming — VPN connections remain intact even with media changes
> Supports IPv4 and IPv6 VPN
> IKEv2 support

LANCOM ADVANCED VPN CLIENT FOR macOS

> IPSec-VPN client for macOS up to 10.13 High Sierra
> Integrated stateful inspection firewall
> Supports all IPSec protocol extensions

* 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. registred in the U.S. and other countries.

Software Options

The LANCOM software options upgrade your LANCOM routers, central-site VPN gateways, access points, and WLAN controllers with an array of functions. Cost-efficient software upgrades give your existing devices entirely new functions – exactly according to your needs.

LANCOM
Content Filter
OPTION

LANCOM CONTENT FILTER
› Category-based review and blocking of web pages

LANCOM
WLC Basic
OPTION

LANCOM WLC BASIC OPTION
› Upgrades LANCOM routers with WLAN controller functions
› Manages 6 (optionally up to 12) access points or WLAN routers

LANCOM
WLC Upgrade
OPTION

LANCOM WLC UPGRADE OPTION
› Increases the number of access points and WLAN routers managed by the controller

LANCOM
High
Availability
Clustering
OPTION

LANCOM HIGH AVAILABILITY CLUSTERING OPTION
› For the centralized management of clustered WLAN controllers or central-site VPN gateways and convenient configuration synchronization (Config Sync)

LANCOM
VPN
OPTION

LANCOM VPN OPTION
› Upgrades the number of available VPN tunnels

LANCOM
All-IP
OPTION

LANCOM ALL-IP OPTION
› Upgrades a router with telephony functionality with the LANCOM VCM (Voice Call Manager) and SBC (Session Border Controller)
› Upgrades a router to be an IP-ISDN gateway

LANCOM
VoIP +10
OPTION

LANCOM VOIP +10 OPTION
› Upgrade for 10 additional VoIP phone numbers and 10 additional SIP lines (max. 55)

* Applicable devices are in the list of options in the annex.

Central-site VPN Gateways

Cloud-ready

Companies use encrypted Internet connections to operate business-critical applications across multiple locations. LANCOM central-site VPN gateways support the implementation of large-scale multi-service IP network structures for centralized security, high performance, and the utmost reliability.

HEADQUARTERS

LANCOM ISG-4000

INTERNET

LOCATIONS
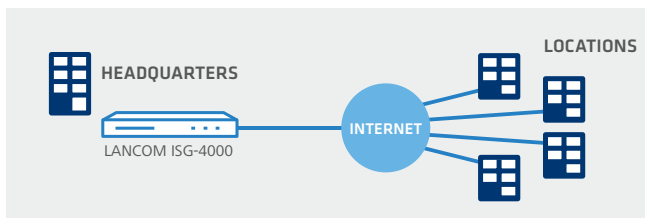
Central security and reliability

LANCOM ISG-4000

> 200 simultaneous IPSec-VPN connections (up to 1,000 optional)
> Network virtualization with up to 256 networks (ARF)
> 2x 10G/SFP+ ports, 4x GE combo ports (ETH/SFP) and 1x GE ETH port

NEW

LANCOM ISG-1000

> 100 simultaneous IPSec-VPN connections (up to 200 optional)
> Network virtualization with up to 128 networks (ARF)
> 4x GE combo ports (ETH/SFP) and 1x GE ETH port

NEW

Virtualized flexibility for ideal scalability

LANCOM vROUTER

> Virtual, software-based router for operation in a virtualized environment based on the Hypervisor VMware ESXi and Microsoft Hyper-V

> Based on the LCOS operating system

vROUTER
(LANCOM VIRTUAL ROUTER)

AVAILABLE AS TERM-BASED VARIANTS FOR VARYING SCALABILITY AND PERFORMANCE REQUIREMENTS

LANCOM vRouter 50
(50 Mbps, 10 VPN channels, 8x ARF, 128 Public Spot users)

LANCOM vRouter 250
(250 Mbps, 50 VPN channels, 16x ARF, 128 Public Spot users)

LANCOM vRouter 500
(500 Mbps, 100 VPN channels, 64x ARF, unlimited Public Spot users)

LANCOM vRouter 1.000
(1,000 Mbps, 200 VPN channels, 128x ARF, unlimited Public Spot users)

LANCOM vRouter unlimited
(unlimited Mbps, 1,000 VPN channels, 256x ARF, unlimited Public Spot users)

Fully Managed Switches

Cloud-ready

LANCOM fully managed switches cater for the all-round administration of reliable LAN infrastructures. Their large range of functions ensures maximum security and easy handling. And best of all: They are "Cloud-ready". You benefit from hyper-integrated network management for maximum time and cost savings.

INTERNET — ROUTER — SWITCH — AP / PC / SERVER
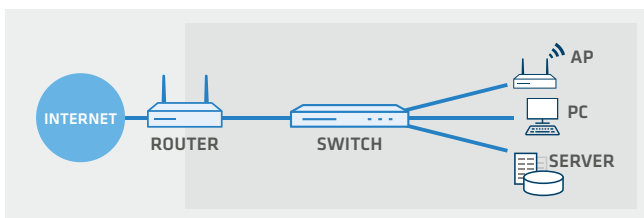
Powerful switches for performance-hungry networks

LANCOM GS-2328 AND LANCOM GS-2328P

› Gigabit Ethernet switches with 24 Gigabit Ethernet ports, 4 SFP+ ports (1G/**10G**)

› **LANCOM GS-2328P** also supports **PoE** based on IEEE 802.3af/at (370 W)

LANCOM GS-2328F

› Full-fiber switch with 20 SFP ports (1G), 4 combo ports (TP/SFP), 4 SFP+ ports (1G/**10G**)

All fully managed Gigabit Ethernet switches support SD-LAN for an easy and fast configuration via the LANCOM Management Cloud.

Reliable switches for large and medium-sized networks

LANCOM GS-2352 AND LANCOM GS-2352P

> Gigabit Ethernet switches with 48 Gigabit Ethernet ports, 4 SFP+ ports (1G/**10G**)
> **LANCOM GS-2352P** also supports **PoE** based on IEEE 802.3af/at (370 W)

LANCOM GS-2326+ AND LANCOM GS-2326P+

> Gigabit Ethernet switches with 24 Gigabit Ethernet ports and 2 combo ports (TP/SFP) in a fanless design
> **LANCOM GS-2326P+** also supports **PoE** based on IEEE 802.3af/at (185 W)

Fully Managed Switches

Cloud-ready

LANCOM switches are the ideal complement to every LANCOM router and access point, thus providing the finishing touch to a high-power network with consistent management. The result is a supremely reliable all-round solution, which is managed effectively.

Compact switches for demanding offices

LANCOM GS-2310 AND LANCOM GS-2310P+

> Gigabit Ethernet switches with 8 Gigabit Ethernet ports and 2 combo ports (TP/SFP) in a fanless design

> **LANCOM GS-2310P+** also supports **PoE** based on IEEE 802.3af/at (130W)

APPLICABLE FOR ALL FULLY MANAGED GIGABIT ETHERNET SWITCHES:

> 5-year warranty on all components

> Port-based access control based on IEEE 802.1X (single, multi, port-based, MAC-based) on all ports

> Comprehensive security features such as TACACS+ and SSH/SSL

Websmart & Unmanaged Switches

LANCOM websmart and unmanaged switches are the ideal addition for small and medium-sized network environments while offering a great price/performance ratio.

For easy internal networking

LANCOM GS-1326

> Websmart Gigabit Ethernet switch with 24 Gigabit Ethernet ports and 2 combo ports (TP/SFP) in a fanless design
> Browser-based configuration
> Security with configurable access control on all ports based on IEEE 802.1X

LANCOM GS-1108

> Unmanaged Gigabit Ethernet switch with 8 Gigabit Ethernet ports in a fanless design

LANCOM GS-1108P

> Like the LANCOM GS-1108 with additional PoE support based on IEEE 802.3af/at (60 W)

Wi-Fi Indoor Access Points

Cloud-ready

The mobility and flexibility offered by laptops, tablet PCs and smartphones are an integral part of our everyday lives. Take advantage of the many benefits of wireless networks with LANCOM access points. WLAN infrastructures are quickly installed without any changes to the building, they are flexible, expandable and always offer a high level of mobility and convenience for the growing number of wireless devices.

Powerful Wave 2 performance for demanding Wi-Fi installations

LANCOM LN-1700

> Dual concurrent Wi-Fi – parallel operation at 2.4 and 5 GHz with up to 1,733 Mbps with IEEE 802.11ac Wave 2 and 450 Mbps with IEEE 802.11n

> 4x4 MIMO with multi-user support for the simultaneous control of multiple clients

> 2x Gigabit Ethernet

LANCOM LN-1702

> Like the LANCOM LN-1700, but with external antennas

Varied and versatile: indoor access points for professional Wi-Fi coverage

LANCOM LN-860

> Dual concurrent Wi-Fi — parallel operation at 2.4 and 5 GHz with up to 867 Mbps with IEEE 802.11ac Wave 2 and 300 Mbps with IEEE 802.11n
> 2x2 MIMO with multi-user support for the simultaneous control of multiple clients
> 2x Gigabit Ethernet

LANCOM LN-862

> Like the LN-860, but with external antennas

LANCOM LN-830acn DUAL WIRELESS

> Dual concurrent Wi-Fi — parallel operation at 2.4 and 5 GHz with up to 867 Mbps with IEEE 802.11ac and 300 Mbps with IEEE 802.11n
> 2x Gigabit Ethernet

LANCOM L-822acn DUAL WIRELESS

> Like the LN-830, but with external antennas and in classic housing

LANCOM LN-630acn DUAL WIRELESS

> Dual concurrent Wi-Fi — parallel operation at 2.4 GHz and 5 GHz with up to 867 Mbps IEEE 802.11ac and 300 Mbps IEEE 802.11n
> 1x Gigabit Ethernet

Wi-Fi Indoor Access Points

Cloud-ready

Whether in a small / mid-sized office or a café – reliable Wi-Fi for a flexible way of working and surfing via mobile devices is extremely efficient. LANCOM provides professional devices to be operated as stand-alone or as an extension of your existing infrastructure.
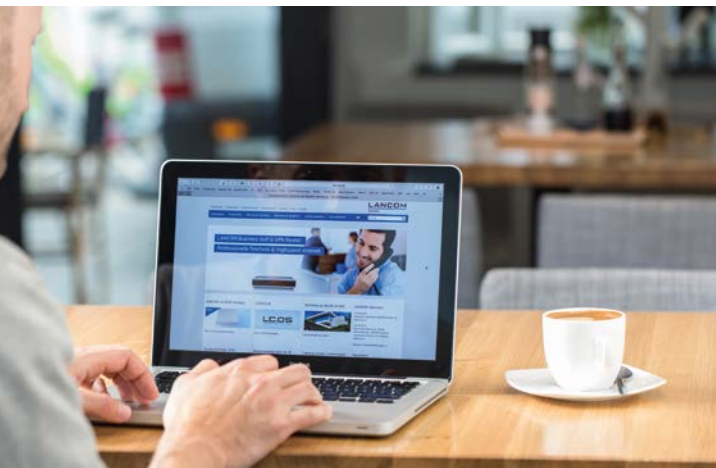

LANCOM L-322agn DUAL WIRELESS

> Dual concurrent Wi-Fi operation at 2.4 and 5 GHz in parallel with up to 300 Mbps with IEEE 802.11n

> 1x Gigabit Ethernet, 1x Fast Ethernet

LANCOM L-321agn WIRELESS

> Single operation Wi-Fi at 2.4 or 5 GHz with up to 300 Mbps with IEEE 802.11n

> 1x Gigabit Ethernet

WLAN Controllers

Operating a LANCOM WLAN controller comes with massive time- and effort savings for any network administrator. LANCOM access points and Wi-Fi routers are configured and controlled centrally and fully automatically. Thanks to a consistent control of your wireless network, the management of your WLAN infrastructure is significantly simplified.

LANCOM WLC-1000

> Centralized firmware rollout, monitoring, and management of 25 to 1,000 access points and Wi-Fi routers

> High Availability Clustering Option for high-availability scenarios

NEW

LANCOM WLC-4006+

> Centralized management for 6 access points and Wi-Fi routers (upgradeable for up to 30 devices)

> Integrated hotspot

WLAN operation models

The LANCOM WLAN portfolio is as varied and versatile as your requirements. LANCOM provides a range of access points that meets every individual challenge. The devices come with flexible operation models: they can be orchestrated via the LANCOM Management Cloud, centrally managed via a WLAN controller or operated as stand-alone devices.

Wireless ePaper Solutions

Give your interior an attractive look, automate your processes, and improve transparency and information flow. LANCOM Wireless ePaper solutions offer you representative, centrally radio-controlled displays along with professional Wi-Fi in a single infrastructure.

APPLICATIONS

> For active room signage
> For visitor badges or table displays at meetings and conferences
> For menu cards and seat reservations in gastronomy
> For radio-controlled price labeling in the retail sector

LANCOM LN-830E WIRELESS

> Dual concurrent Wi-Fi – parallel operation at 2.4 and 5 GHz with up to 867 Mbps IEEE 802.11ac and 300 Mbps IEEE 802.11n
> Integrated radio module for controlling LANCOM Wireless ePaper Displays
> Integrated iBeacon technology
> Power supply via PoE based on IEEE 802.3af

LANCOM WIRELESS ePAPER DISPLAYS

> Convenient, wireless updates
> Available in three sizes: 7.4", 4.2", and 2.7"
> Suitable for use in daylight and capable of displaying graphics
> Battery life up to 5 years
> Display in black, white and red

LANCOM WIRELESS ePAPER ROOM SIGNAGE SET

> Complete set for room signage
> Contents: 1x LANCOM LN-830E Wireless, 5x LANCOM WDG-2 7.4", 1x LANCOM Wireless ePaper Server for managing any number of access points and up to 1,000 Wireless ePaper Displays

LANCOM WIRELESS ePAPER PREMIUM FRAME 7,4"

> Brushed stainless steel for an exclusive look
> Compatible with 7.4" Wireless ePaper Displays

LANCOM WIRELESS ePAPER PREMIUM MOUNT 7,4"

> Tool-free mounting on any surface including glass
> Compatible with 7.4" Wireless ePaper Displays

Outdoor Access Points

Be it for connectivity between buildings, point-to-point links, as an outdoor Wi-Fi hotspot, or for the "last mile" high bandwidth connectivity – LANCOM offers a range of Wi-Fi solutions consisting of professional outdoor access points which, thanks the sturdy IP66 housing and an extended temperature range (-33°C to +70°C), can withstand even extreme environmental conditions.

LANCOM OAP-830

> Dual concurrent Wi-Fi – parallel operation at 2.4 and 5 GHz with up to 867 Mbps IEEE 802.11ac and 300 Mbps IEEE 802.11n

> Integrated sector antennas for 2.4 and 5 GHz

LANCOM OAP-822

> Like the OAP-830, but with 4 external antenna connectors

LANCOM OAP-821

> Single operation Wi-Fi – operation at 2.4 or 5 GHz with up to 867 Mbps with IEEE 802.11ac and 300 Mbps with IEEE 802.11n

> Integrated 5-GHz directional antenna and external antenna connectors for 2.4 GHz

> Also available as a "Bridge Kit" (2x OAP-821 incl. accessories)

Industrial Access Points

Cloud-ready

Industrial access points from LANCOM Systems are specially designed for tough indoor environments. Thanks to their special dust-proof housings with an extended temperature range (-20° to +50°C), industrial access points form the basis for reliable Wi-Fi in warehouses and logistics, across covered outdoor areas, or on mobile machinery.

LANCOM IAP-822

> Dual concurrent Wi-Fi – parallel operation at 2.4 and 5 GHz with up to 867 Mbps IEEE 802.11ac and 300 Mbps IEEE 802.11n
> Robust IP50 full-metal housing
> Reliable even at demanding temperatures (-20°C to +50°C)

LANCOM IAP-821

> Single operation Wi-Fi – operation at 2.4 or 5 GHz with up to 867 Mbps with IEEE 802.11ac or 300 Mbps with IEEE 802.11n
> Robust IP50 full-metal housing
> Reliable even at demanding temperatures (-20°C to +50°C)

Versatile Wi-Fi guest access
LANCOM Public Spot Option

Whether traveling on the train, at work or on vacation – wherever we use them, we increasingly take mobile devices for granted to retrieve information from the Internet. The LANCOM Public Spot Option gives your guests convenient access to the Internet – with a range of accessibility options.

MORE CONVENIENCE FOR YOUR GUESTS

> Self-registration on the guest network by SMS or e-mail
> Multiple logins for Internet access with several devices
> Instant reconnect with automatic re-login after once-only entry of access credentials
> Multilingual user portals (EN, DE, FR, IT, ES, NL)
> Connection of external systems via API (XML, RADIUS, or FIAS)

Guest access is at its most compelling when it is easy to set up, offers guests user-friendly access to the Internet, and assures operators that their own company network is secure from unauthorized access.

Guest accesses –
according to your needs!

LANCOM Public Spot

OPTION

LANCOM PUBLIC SPOT OPTION

> Multiple options of login procedures
> Smart Ticket for convenient hotspot registration via SMS or e-mail
> Choice of models for online time and validity period of the guest access accounts
> Secure separation of guest access from the internal network
> Voucher and portal layout can be customized to the individual design of the company
> Connection to external servers via XML and RADIUS interfaces; ideal for connecting hotspot solutions via third-party providers

LANCOM PMS Accounting +

OPTION

LANCOM PUBLIC SPOT PMS ACCOUNTING PLUS OPTION

> Combines your Public Spot solution with your Property Management System
> Internet fees can be charged to the room bill
> Suitable for PMS with FIAS interface, such as Micros Fidelio or Protel
> Requirement: LANCOM Public Spot Option

Antennas

LANCOM offers a comprehensive portfolio of indoor and outdoor wireless LAN antennas for the 2.4 and 5-GHz frequency bands, as well as antennas for 4G routers. Each antenna is supplied with a kit that includes cable and mounting materials. Necessary adapters are included in the scope of delivery or available as LANCOM accessories.

4 x 4 MIMO Wi-Fi OUTDOOR ANTENNAS

AirLancer ON-Q360ag
> 360° omnidirectional antenna for +4 dBi gain (2.4 and 5 GHz)

AirLancer ON-Q90ag
> 90° sector antenna for +6 dBi (2.4 GHz) or +5 dBi gain (5 GHz)

AirLancer ON-Q60ag
> 60° sector antenna for +6,5 dBi (2.4 GHz) or +7.5 dBi gain (5 GHz)

3 x 3 MIMO Wi-Fi OUTDOOR ANTENNAS

AirLancer ON-T360ag
> 360° omnidirectional antenna for +5 dBi (2.4 GHz) or +7 dBi gain (5 GHz)

AirLancer ON-T90ag
> 90° sector antenna for +6 dBi (2.4 GHz) or +5 dBi gain (5 GHz)

AirLancer ON-T60ag
> 60° sector antenna for +8 dBi gain (2.4 and 5 GHz)

2 x 2 MIMO Wi-Fi OUTDOOR ANTENNA

AirLancer Extender ON-D9a
> 9° directional antenna for +23 dBi gain (5 GHz)

AIRLANCER MOUNT (ON)
> Flexible wall or pole mounting of LANCOM outdoor Wi-Fi antennas (ON)

Wi-Fi INDOOR ANTENNAS

AirLancer IN-H180

> 180° ceiling antenna for +3 dBi (2.4 GHz) or
> 5 dBi gain (5 GHz) with 6 connectors for 2x2 MIMO
> (2.4 GHz) and 4x4 MIMO (5 GHz)

AirLancer IN-Q180

> 180° ceiling antenna for +3 dBi (2.4 GHz) or
> +5 dBi Gain (5 GHz) with 4 connectors for 2x2 MIMO
> (2.4 GHz) and 2x2 MIMO (5 GHz)

4G ANTENNAS

AirLancer Extender I-360-4G

> Omnidirectional indoor multiband LTE antenna,
> fully backwards compatible

AirLancer Extender O-360-4G

> Omnidirectional outdoor multiband LTE antenna,
> fully backwards compatible

LANtools

Along with the LANCOM Management Cloud, LANCOM has long provided a comprehensive set of free management & monitoring tools: Once installed on a Windows system, the programs LANconfig, LANmonitor, and WLANmonitor provide the detailed configuration and monitoring of LANCOM routers, access points, and WLAN controllers – for devices individually or in clusters.

MANAGEMENT FOR SMALL AND MID-SIZED NETWORKS

> Software package for managing LANCOM products
> Easy configuration and monitoring
> Parallel management and monitoring of multiple devices

LANconfig

LANconfig has a wide range of applications, from the commissioning of a single device with various Installation Wizards, to the holistic management of several devices.

> Easy management of entire infrastructures
> Preconfiguration and import of configurations
> Automatic detection of new devices
> Range of Setup Wizards
> Configuration via Telnet, SSH, and HTTPS
> Context-based help
> QuickFinder, the quick way to find devices and settings
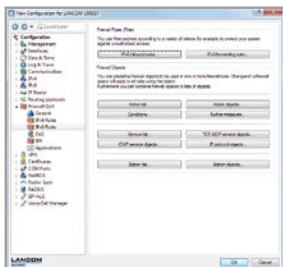
LANconfig

LANmonitor

LANmonitor

LANmonitor is ideal for the structured monitoring of networks. SNMP-trap controlled, it offers nearly real-time monitoring of all connections and device status.

> Connection and interface status display
> Monitoring of transfer rates, protocols, and IP addresses
> Display of software version, CPU load, and memory usage
> Logging of online times and transfer volumes
> Firewall event viewer and device SYSLOG
> Graphical trace module for recordings and troubleshooting
> Spectral Scan graphically displays interference sources on the Wi-Fi

WLANmonitor

WLANmonitor can centrally monitor the status of a wireless LAN. It presents information about the entire network in general and detailed information about individual access points and clients. Full monitoring of all Wi-Fi events.

> Status display for all clients, access points, and WLAN controllers
> Rogue AP / client detection / IDS

On-site Workshops /
Consulting Days

Our LANCOM trainers are coming to you! You can book our LANCOM experts for on-site workshops and training courses at your location. Benefit from both our technical expertise as well as from the convenience of personalized on-site training.

YOUR BENEFITS:

> No need to travel
> No traveling or accomodation costs
> Individual appointments
> Individual combination of topics
> Our LANCOM trainers are coming to you*

On-site workshops

We arrange our workshops (with certification by request*) at your location. As usual we combine theoretical with practical parts and will also provide the technical equipment.

With the right training tailored for your needs, we will make you a LANCOM expert for your network.

* Available for DE/AT/CH/BE/NL/LU

CONSULTING DAY

These contents are available for your Consulting Day:

> Setup and optimization of your configuration
> Setup of configuration templates
> Implementation of a rollout
> Interconnectivity between branch offices and the central site via VPN
> Central access point management via WLAN controller (WLC)
> Embedding layer-3 tunneling into the existing infrastructure

Consulting and booking

We will gladly consult you and make you an offer that fits your needs! Contact us via

 +49 2405 499 36-220   or
 TRAINING@LANCOM.EU

Support
We stay by your side!

Products and solutions are only as good as the service that backs them up. This is why consulting and support play a central role at LANCOM.

YOUR ALL-INCLUSIVE PACKAGE

> Expert advice
> Our support form at www.lancom-systems.com/support-request
> Tailor-made support upgrades
> A wide range of services

LANCOM KNOWLEDGEBASE

A full text search will find any documents with relevant terms
www.lancom-systems.com/knowledgebase

Support in countries outside of Germany is available directly from LANCOM distribution partners and specialist resellers:
www.lancom-systems.com/how-to-buy

Also visit our international support webpage under
www.lancom-systems.com/service-support

MORE WARRANTY

> LANCOM Warranty Basic Option – Extension of the manufacturer warranty from 3 to 5 years*

> LANCOM Warranty Advanced Option – Extension of the manufacturer warranty from 3 to 5 years and advanced replacement to the next working day*

MORE SERVICE

> LANCOM Config Service** – Professional support for the configuration of individual LANCOM installations

> LANCOM WLAN Survey Services – Virtual Wi-Fi coverage across the premises based on floor-plan drawings

> LANCOM Extended Support Times – Support availability during extended service times for planned migrations and installations

MORE SUPPORT

> LANCOM Emergency Support – Short-term, solution-oriented emergency support with minimum reaction time

> LANCOM Premium Support Access – Premium support access for optimally safeguarded network infrastructures

> LANCOM Enterprise Support Access – Full-service package for networks with > 100 devices

* The LANCOM warranty conditions apply
** Available for: DE / A / CH / BE / NL / LU

LANCOM
Systems