

New

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| | LANCOM ISG-8000 | LANCOM ISG-5000 | LANCOM 1926VAG-5G | LANCOM 1926VAG-4G / 1926VAG | LANCOM 1900EF-5G / 1900EF | LANCOM 1803VA-5G / 1803VA-4G / 1803VA | LANCOM 1803VAW | LANCOM 1800VAW-4G / 1800VAW | LANCOM 1800VA-5G / 1800VA-4G / 1800VA | LANCOM 1800EF-5G | LANCOM 1800EFW | LANCOM 1800EF | LANCOM 1790VA-4G+ | LANCOM 1790-4G+ | LANCOM 1780EW-4G+ | LANCOM IAP-5G | LANCOM 1650E | LANCOM 750-5G | LANCOM 730-4G+ | |
|--|--|----------------------------------|---|--|--|---|--|--|---|-----------------------------|---|--|----------------------------|----------------------------|---|---------------------------------------|---------------------|---------------------------|---------------------------|--|
| Item no. | 61077 (EU) | 61079 (EU) | 62124 (EU) | 62123 (EU) / 62122 (EU) | 62132 (EU) / 62105 (EU), 62106 (WW) | 62156 (EU) / 62155 (EU) / 62153 (EU) | 62154 (EU) | 62147 (EU) / 62149 (EU) | 62151 (EU) / 62150 (EU) / 62148 (EU) | 62140 (EU) / 62126 (WW) | 62139 (EU) / 62128 (WW) | 62138 (EU) / 62127 (US) | 62136 (EU) | 62135 (EU) | 61712 (EU) / 61713 (UK) | 61718 (EU) | 62163 | 61707 (EU) | 61705 (EU) | |
| Router series & use cases | SD-WAN central site gateways in the headquarters | | SD-WAN (VoIP) gateways of the 1900 series for medium-sized and large sites and branches | | | SD-WAN (VoIP) gateways of the 1800 series for small and medium-sized sites and branches | | | | | | SD-WAN (VoIP) gateways of the 1700 series for small sites and branches | | | Industrial SD-WAN gateway | Access routers and network extensions | | | | |
| Hardware features | | | | | | | | | | | | | | | | | | | | |
| WAN & SFP ports | 1x Gigabit Ethernet, 2x 10G SFP+ | 1x Gigabit Ethernet, 2x 10G SFP+ | 1x Gigabit Ethernet, 1x SFP / TP combo | 1x Gigabit Ethernet, 1x SFP / TP combo | 1x Gigabit Ethernet, 1x SFP / TP combo | 1x SFP / TP combo | 1x SFP / TP combo | 1x SFP / TP combo | 1x SFP / TP combo | 1x Gigabit Ethernet, 1x SFP | 1x Gigabit Ethernet, 1x SFP | 1x Gigabit Ethernet, 1x SFP | - | 1x Gigabit Ethernet | 1x Gigabit Ethernet | - | 1x Gigabit Ethernet | - | - | |
| VDSL / ADSL2+ Supervectoring | - | - | 2x or 1x G.Fast | 2x or 1x G.Fast | - | 1x | 1x | 1x | 1x | - | - | - | 1x | - | - | - | - | - | - | |
| Load balancing of multiple WAN connections | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 2x | - | 2x | - | - | |
| Cellular radio | - | - | 1x 5G | Only 1926VAG-4G: 1x dual-SIM LTE Advanced (Cat. 6) | Only 1900EF-5G: 1x 5G | 1803VA-4G: 1x LTE Advanced (Cat. 6), 1803VA-5G: 1x 5G | - | Only 1800VAW-4G: 1x LTE Advanced (Cat. 6) | 1800VA-4G: 1x LTE Advanced (Cat. 6), 1800VA-5G: 1x 5G | 1x 5G | - | - | 1x LTE Advanced (Cat. 7) | 1x LTE Advanced (Cat. 7) | 1x LTE Advanced (Cat. 6) | 1x 5G | - | 1x 5G | 1x LTE Advanced (Cat. 6) | |
| LAN ports (Gigabit Ethernet switch) | 8x | 6x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 4x | 3x | 1x and PoE (IEEE 802.3at) | 2x and PoE (IEEE 802.3at) at ETH1 | 3x | 1x and PoE (IEEE 802.3af) | 1x and PoE (IEEE 802.3at) | |
| Wireless LAN | - | - | - | - | - | - | 1.200 Mbps at 5 GHz and parallel 575 Mbps at 2.4 GHz (IEEE 802.11ax) | 1.200 Mbps at 5 GHz and parallel 575 Mbps at 2.4 GHz (IEEE 802.11ax) | - | - | 1.200 Mbps at 5 GHz and 575 Mbps at 2.4 GHz (IEEE 802.11ax) | - | - | - | 867 Mbps (IEEE 802.11ac) or 300 Mbps (IEEE 802.11n) | - | - | - | - | |
| ISDN ports | - | - | 2x NT | 2x NT | - | 2x NT | 2x NT | - | - | - | - | - | - | - | - | - | - | - | - | |
| Analog ports | - | - | 4x a/b | 4x a/b | - | 2x a/b | 2x a/b | - | - | - | - | - | - | - | - | - | - | - | - | |
| USB ports | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | ✓ | - | - | |
| Functions | | | | | | | | | | | | | | | | | | | | |
| IPSec VPN channels | 250 integrated / 3.000 optional | 100 integrated / 1.000 optional | 25 integrated / 50 / 100 optional | 25 integrated / 50 / 100 optional | 25 integrated / 50 / 100 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 5 integrated / 25 optional | 3 integrated | - | - | |
| X.509 certificates CRL & SCEP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | |
| Advanced Routing & Forwarding | 256 contexts | 256 contexts | 64 contexts | 64 contexts | 64 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 16 contexts | 2 contexts | 2 contexts | 2 contexts | |
| Voice Call Manager Session Border Controller | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ✓ ✓ | ○ ○ | ○ ○ | ○ ○ | ○ ○ | ○ ○ | ○ ○ | ○ ○ | ○ ○ | - - | ○ ○ | - - | - - | |

✓ available / included ○ optional upgrade / extension - not available / unsuitable

You can find the service and support portfolio at www.lancom-systems.com/service-support or in the [service & support overview](#).

All LANCOM routers & VPN gateways include the following ports & features: Configuration interface, IPv6 + IPv4 (dual stack), Stateful Inspection Firewall, VLAN / L2 prioritization, bandwidth management / IP QoS, VRRP, VLAN.

For operation in a virtualized environment, the LANCOM vRouter is also available with a comprehensive range of functions and numerous security features. The LANCOM vRouter can be used as a virtual VPN router (vCPE), central-site VPN gateway (vGateway), or as a WLAN controller (vWLC). Find out more at: www.lancom-systems.com/vrouter

New

| | LANCOM XS-6128QF | LANCOM XS-5116QF | LANCOM XS-5110F | LANCOM GS-4554XUP | LANCOM GS-4554X / GS-4554XP | LANCOM GS-4530XUP | LANCOM GS-4530X / GS-4530XP | LANCOM GS-3652X / GS-3652XP / GS-3652XUP | LANCOM GS-3252P | LANCOM GS-3628X / GS-3628XUP | LANCOM GS-3528XP | LANCOM GS-3126X / GS-3126XP | LANCOM GS-3510XP / IGS-3510XUP | LANCOM GS-2328F | LANCOM GS-2326+ / GS-2326P+ | LANCOM GS-2310 / GS-2310P+ | LANCOM GS-1108 / GS-1108P |
|---|--|---|---|---|--|---|--|--|---|---|---|---|---|--|--|---|-----------------------------|
| Item no. | 61860 | 61859 | 61858 | 61884 | 61869 / 61870 | 61883 | 61867 / 61868 | 61877 / 61878 / 61879 | 61876 | 61880 / 61882 | 61850 | 61847 / 61848 | 61849 / 61912 | 61446 | 61483 / 61481 | 61492 / 61440 | 61457 / 61430 |
| Switch series | Aggregation switches with stacking for hierarchical switch infrastructures incl. Limited Lifetime Warranty | | | Enterprise-class access switches with stacking and up to 40G uplink (Layer 3) incl. Limited Lifetime Warranty | | | | SMB access switches of the GS-3000 series with up to 10G uplink (Layer 3 Lite) | | | | | SMB access switches of the GS-2000 series with up to 1G uplink (Layer 2) | | Unmanaged switches | | |
| Hardware features | | | | | | | | | | | | | | | | | |
| Ethernet ports | 20x SFP+ ports (1G / 10G), thereof 4x multi-Gigabit combo downlink ports (SFP+ or 1G / 2.5G / 5G / 10G nBASE-T), 4x SFP28 (10G / 25G) or 2x QSFP+ (40G) Flex ports, 4x SFP-DD-Flex ports (25G / 50G) | 14x SFP+ ports (1G / 10G), thereof 2x multi-Gigabit combo downlink ports (SFP+ or 1G / 2.5G / 5G / 10G) and 2x QSFP+ (40G) uplink or stacking ports | 8x SFP+ ports (1G / 10G) and 2x multi-Gigabit Ethernet ports (1G / 2.5G / 5G / 10G) | 48x 2.5 Gigabit Ethernet ports, 4x SFP+ and 2x QSFP+ uplink or stacking ports (40G) | 12x 2.5 Gigabit Ethernet ports, 36x 1 Gigabit Ethernet ports, 4x SFP+ (1G / 10G) and 2x QSFP+ uplink or stacking ports (10G / 40G) | 24x 2.5 Gigabit Ethernet ports, 4x SFP+ and 2x QSFP+ uplink or stacking ports (40G) | 12x 2.5 Gigabit Ethernet ports, 12x 1 Gigabit Ethernet ports, 4x SFP+ (1G / 10G) and 2x QSFP+ uplink or stacking ports (10G / 40G) | 12x 2.5 Gigabit Ethernet ports, 36x 1 Gigabit Ethernet ports, and 4x SFP+ (1G / 10G) | 48x 1 Gigabit Ethernet ports and 4x SFP+ (1G / 10G) | 12x 2.5 Gigabit Ethernet ports, 12x 1 Gigabit Ethernet ports and 4x SFP+ ports (1G / 10G) | 12x 2.5 Gigabit Ethernet ports, 12x 1 Gigabit Ethernet ports and 4x SFP+ ports (1G / 10G) | 24x 1 Gigabit Ethernet downlink ports and 2x SFP+ uplink ports (1G / 10G) | 4x 2.5 Gigabit and 4x 1 Gigabit Ethernet downlink ports and 2x SFP+ uplink ports (1G / 10G) | 20x SFP ports (1G), 4x combo ports (TP / SFP) and 4x SFP+ ports (1G / 10G) | 24x 1 Gigabit Ethernet ports and 2x combo ports (TP / SFP) | 8x 1 Gigabit Ethernet ports and 2x combo ports (TP / SFP) | 8x 1 Gigabit Ethernet ports |
| PoE ports (IEEE 802.3af/at) | - | - | - | 24 | - / 48 | - | - / 24 | - / 48 / 36 | 36 | - / 12 | 24 | - / 24 | 8 / 4 | - | - / 24 | - / 8 | - / 8 |
| PoE ports (IEEE 802.3af/at/bt PD-Type 4) | - | - | - | 24 | - | 24 | - | - / - / 12 | - | - / 12 | - | - | - / 4 | - | - | - | - |
| PoE budget | - | - | - | 720 W (with 2nd PSU 1,440 W) | - / 720 W (with 2nd PSU 1,440 W) | 720 W (with 2nd PSU 1,440 W) | - / 720 W | - / 740 W / 720 W (with 2nd PSU 1,440 W) | 370 W | - / 740 W | 370 W | - / 185 W | 130 W / 360 W | - | - / 185 W | - / 130 W | - / 60 W |
| Hot-swappable PSU | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | - / - / ✓ | - | - | - | - | - | - | - | - | - |
| Serial interface | RJ45, micro-USB | RJ45, micro-USB | RJ45, micro-USB | RJ45, micro-USB | RJ45, micro-USB | RJ45, micro-USB | RJ45, micro-USB | RJ45 | RJ45 | RJ45 | RJ45 | RJ45 | RJ45 | DB9 | RJ45 | RJ45 | - |
| Latency times MAC addresses | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 32K | ≤ 4µs 16K | ≤ 4µs 32K | ≤ 2.9µs 8K | ≤ 2.9µs 8K | 2.8µs 8K |
| Max. throughput | 1,000 Gbps | 440 Gbps | 200 Gbps | 480 Gbps | 372 Gbps | 360 Gbps | 324 Gbps | 212 Gbps | 176 Gbps | 164 Gbps | 164 Gbps | 88 Gbps | 68 Gbps | 128 Gbps | 52 Gbps | 20 Gbps | 16 Gbps |
| Functions & security | | | | | | | | | | | | | | | | | |
| Stacking | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - |
| QoS (Port, TOS/DSCP, 802.1p) RSTP redundancy | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| MAC address limit per port IEEE 802.1X access control Broadcast storm control TACACS+ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| (Active) VLAN | 4,093 | 4,093 | 4,093 | 4,093 | 4,093 | 4,093 | 4,093 | 4,096 | 4,096 | 4,096 | 4,096 | 4,096 | 4,096 | 4,096 | 4,096 | 4,096 | - |
| Management | | | | | | | | | | | | | | | | | |
| Dynamic routing (Full Layer 3) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - |
| Static routing | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - | - |
| DHCP server | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | -* | -* | - | - |
| SNMP v1 v2 v3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| Accessories | | | | | | | | | | | | | | | | | |
| SFP-SX-LC1 SFP-SX2-LC1 SFP-LX-LC1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - |
| SFP-BiDi1550-SC1 SFP-BiDi1310-LC10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ - | ✓ - | ✓ - | - |
| SFP-CO1 | - | - | - | - | - | - | - | - | - | - | - | - | - | ✓ | - | - | - |
| SFP-SX-LC10 SFP-LX-LC10 SFP-LR40-LC10 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | - | - | - |
| SFP-CO10-MG | ✓ max. 4x per switch | ✓ max. 4x per switch | ✓ max. 4x per switch | ✓ max. 2x per switch | ✓ max. 2x per switch | ✓ max. 2x per switch | ✓ max. 2x per switch | ✓ max. 1x per switch | ✓ | ✓ max. 1x per switch | ✓ | ✓ max. 1x pro Switch | ✓ | - | - | - | - |
| SFP-LR-LC25 SFP-SR-LC25 | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SFP-LR-LC40 SFP-SR-MPO40 | ✓ | ✓ | - | ✓ | ✓ | ✓ | ✓ | - | - | - | - | - | - | - | - | - | - |
| SFP-DAC10 SFP-DAC25 SFP-DAC40 | ✓ | ✓ - ✓ | ✓ - - | ✓ - ✓ | ✓ - ✓ | ✓ - ✓ | ✓ - ✓ | ✓ - - | ✓ - - | ✓ - - | ✓ - - | ✓ - - | ✓ - - | - | - | - | - |
| SFP-DD-DAC50 | ✓ | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

✓ available / included - not available / unsuitable

* DHCP relay agent with: DHCP option 66, DHCP option 67, DHCP option 82

You can find the service and support portfolio at www.lancom-systems.com/service-support or in the [service & support overview](#).

New

New

| | LANCOM LX-6500 / LX-6500E | LANCOM LX-6402 | LANCOM LX-6400 | LANCOM LX-6200 / LX-6200E | LANCOM OX-6402 | LANCOM OX-6400 | LANCOM OW-602 | LANCOM LW-500 | LANCOM IAP-822 | LANCOM IAP-821 |
|--|---|--|---|--|---|--|---|---|---|--|
| Item no. | 61861 / – (EU) / 61872 (WW) / 61863 / 61873 (10 bulk) | 61825 (EU) / 61826 (WW) / 61828 (10 bulk) | 61821 (EU) / 61822 (WW) / 61824 (10 bulk) | 61871 / 61833 (EU), / 61834 (WW), / 61835 (10 bulk) | 61866 | 61865 | 61664 | 61694 (WW) / 61695 (WW, 10 bulk) | 61757 (EU) / 61758 (UK) / 61760 (5 bulk) | 61755 (EU) / 61756 (UK) / 61759 (5 bulk) |
| Access Point series & use cases | LX series – Indoor Wi-Fi for medium and high user densities | | | | OX series – Outdoor Wi-Fi for medium and high user densities | | Outdoor Wi-Fi for low user densities | Indoor Wi-Fi for low user densities | Industrial access points for harsh environments | |
| Hardware features | | | | | | | | | | |
| Gross data rate / Wi-Fi interface | 4,800 Mbps (6 GHz) / 2,400 Mbps (5 GHz) / 1,200 Mbps (2.4 GHz) | 2,400 Mbps (5 GHz) / 1,200 Mbps (2.4 GHz) | 2,400 Mbps (5 GHz) / 1,200 Mbps (2.4 GHz) | 1,200 Mbps (5 GHz) / 575 Mbps (2.4 GHz) | 2,400 Mbps (5 GHz) / 1,200 Mbps (2.4 GHz) | 2,400 Mbps (5 GHz) / 1,200 Mbps (2.4 GHz) | 1,200 Mbps (5 GHz) / 575 Mbps (2.4 GHz) | 867 Mbps (5 GHz) / 300 Mbps (2.4 GHz) | 867 Mbps (5 GHz) / 300 Mbps (2.4 GHz) | 867 Mbps (5 GHz) / 300 Mbps (2.4 GHz) |
| 1st Wi-Fi interface | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n/ax | 2.4 GHz 802.11b/g/n | 2.4 GHz 802.11b/g/n / 5 GHz 802.11a/n/ac | 2.4 GHz 802.11b/g/n / 5 GHz 802.11a/n/ac |
| 2nd Wi-Fi interface | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac/ax | 5 GHz 802.11a/n/ac | 2.4 GHz 802.11b/g/n / 5 GHz 802.11a/n/ac | – |
| 3rd Wi-Fi interface | 6 GHz 802.11ax | – | – | – | – | – | – | – | – | – |
| LAN connector | 2x 2.5 Gigabit Ethernet | 1x 2.5 Gigabit Ethernet, 1x 1 Gigabit Ethernet | 1x 2.5 Gigabit Ethernet, 1x 1 Gigabit Ethernet | 1x 1 Gigabit Ethernet | 1x 2.5 Gigabit Ethernet, 1x 2.5 Gigabit Ethernet with PoE Passthrough | 1x 2.5 Gigabit Ethernet, 1x 2.5 Gigabit Ethernet with PoE Passthrough | 2x 1 Gigabit Ethernet | 2x 1 Gigabit Ethernet | 1x 1 Gigabit Ethernet, 1x 1 Fast Ethernet | 1x 1 Gigabit Ethernet |
| Integrated antennas | Integrated antennas for 6 GHz, 5 GHz, 2.4 GHz, and BLE, LX-6500E additionally with 1x Wireless ePaper | Dedicated antenna for BLE | Integrated antennas for 5 GHz, 2.4 GHz, and BLE | Integrated antennas for 5 GHz, 2.4 GHz, and BLE, LX-6200E additionally with 1x Wireless ePaper | Dedicated antenna for BLE | Integrated 70° WLAN sector antenna, integrated omnidirectional antenna for BLE | Dedicated antennas for BLE | Integrated antennas for 5 GHz and 2.4 GHz | – | – |
| BLE standard | 5.1 | 5.0 | 5.0 | 5.1 | 5.1 | 5.1 | 5.1 | – | – | – |
| Ext. antenna connectors | – | 4x reverse SMA (RSMA) | – | – | 4x NJ (WLAN) | – | 4x NJ (WLAN) | – | 4x reverse SMA (RSMA) | 2x reverse SMA (RSMA) |
| Supplied antennas | – | 4x dualband WLAN | – | – | 4x dualband WLAN | – | 2x 2.4 GHz WLAN, 2x 5 GHz WLAN | – | 4x dualband WLAN | 2x dualband WLAN |
| USB port | 3.0 | 3.0 | 3.0 | 2.0 | – | – | – | – | – | – |
| Power over Ethernet (PoE) | 802.bt | 802.3at | 802.3at | 802.3at | 802.3bt with and 802.3at without PoE Passthrough | 802.3bt with and 802.3at without PoE Passthrough | 802.at | 802.3af | 802.3af | 802.3af |
| Housing and protection rating | Plastic / metal (white) | Plastic / metal (white) | Plastic / metal (white) | Plastic / metal (white) | Plastic / metal (white), IP67 | Plastic / metal (white), IP67 | Plastic (white), IP67 | Plastic (white) | Metal, IP50 | Metal, IP50 |
| Temperature range | 0°C - +40°C | 0°C - +40°C | 0°C - +40°C | 0°C - +40°C | -30°C - +65°C | -30°C - +65°C | -30°C - +65°C | 0°C - +40°C | -20°C - +50°C | -20°C - +50°C |
| Applicable in medical environments* (EN 60601-1-2) | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | – | – | – | – |
| Functions | | | | | | | | | | |
| WLAN P2P | – | – | – | – | – | – | – | – | up to 32 | up to 16 |
| Client mode | – | – | – | – | – | – | – | – | ✓ | ✓ |
| Multi SSID | up to 24 | up to 32 | up to 32 | up to 32 | up to 32 | up to 32 | up to 32 | up to 32 | up to 30 | up to 15 |
| 802.1X EAP | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| WPA 2 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Spectral Scan | – | – | – | – | – | – | – | – | ✓ | ✓ |
| Support of digital displays | LX-6500 via wireless ePaper USB / LX-6500E integrated | via Wireless ePaper USB | via Wireless ePaper USB | LX-6200 via wireless ePaper USB / LX-6200E integrated | – | – | – | – | – | – |

| | LANCOM WLC-2000 | LANCOM WLC-60 |
|--|--|-----------------------------|
| Item no. | 62235 | 61719 |
| Series & use case | WLAN controllers for centralized management of access points | |
| Hardware features | | |
| Ethernet ports | 6x Gigabit Ethernet, 2x SFP+ | 5x Gigabit Ethernet, 1x SFP |
| Switchable ports WAN LAN DMZ monitor | ✓ | ✓ |
| Load balancing of multiple DSL connections | 4x | 4x |
| Hardware encryption accelerator for CAPWAP / TLS and IPsec | ✓ | ✓ |
| Serial port | ✓ | ✓ |
| USB port | ✓ | ✓ |
| Housing | Metal, 19" | Plastic |
| Power supply | Internal power adapter (100-240 V, 50-60 Hz) | External power adapter |
| Number of fans | 2 internal fans | – ² |
| Functions | | |
| Number of managed LANCOM access points and WLAN routers | 25 (upgradeable to max. 2,000) | 6 (upgradeable to max. 60) |
| Integrated IPsec gateway | 5 channels | 5 channels |
| Advanced Routing & Forwarding | up to 16 VLAN / IP contexts | up to 16 VLAN / IP contexts |
| Layer-3 tunneling | ✓ | ✓ |
| WLAN RF Optimization | ✓ | ✓ |
| Redundancy, controller backup, and load balancing | ✓ | ✓ |
| Integrated RADIUS server | ✓ | ✓ |
| Public Spot | ✓ | ✓ |

✓ available / included ○ optional upgrade / extension – not available / unsuitable * suitable for use with medical electrical equipment in non-life-supporting environments

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For operation in a virtualized environment, the LANCOM vRouter is also available with a comprehensive range of functions and numerous security features.

The LANCOM vRouter can be used as a virtual VPN router (vCPE), central-site VPN gateway (vGateway), or as a WLAN controller (vWLC). Find out more at: www.lancom-systems.com/vrouter

² Fanless design without rotating parts

04/24



| | UF-T60 | UF-60 / UF-60 LTE | UF-160 | UF-260 | UF-360 | UF-760 |
|--|----------------------------|---|--|--|-------------------------------------|---|
| Item no. | 55004 | 55002 / 55003 | 55012 | 55024 | 55036 | 55035 |
| Category | Industrial | Desktop | Desktop | Desktop | Rack | Rack |
| Hardware properties | | | | | | |
| Ports | 5x GE copper, 2x SFP | 4x GE copper | 4x GE copper | 4x GE copper, 1x SFP | 6x GE copper, 2x SFP+ | 8x GE copper, 2x SFP+ |
| Modem | – | LTE Advanced (only UF-60 LTE) | – | – | – | – |
| Power supply & memory redundancy | – | – | – | – | – | ✓ |
| Opt. extension modules * | – | – | – | – | ✓ 1G ETH, 1G SFP, 10G SFP+ | ✓ 1G ETH, 1G SFP, 10G SFP+, 40G QSFP+ |
| Mounting options | DIN rail mounting | Opt. LANCOM Firewall Rack Mount UF-60 (55128) | Opt. LANCOM Firewall Rack Mount UF-160/260 (55125) | Opt. LANCOM Firewall Rack Mount UF-160/260 (55125) | Installation angle | Extension rails |
| Max. system performance (individual measurements) ** | | | | | | |
| IDS / IPS throughput HTTPS (Mbps) | 1,150 | 700 | 750 | 1,250 | 1,400 | 13,000 |
| Firewall throughput TCP (Mbps) | 3,700 | 3,500 | 3,550 | 4,450 | 11,600 | 49,830 |
| VPN throughput IPSec (Mbps) | 1,200 | 790 | 1,200 | 1,500 | 2,200 | 19,700 |
| Concurrent sessions | 1,000,000 | 1,000,000 | 1,000,000 | 2,000,000 | 4,000,000 | 16,700,000 |
| Max. system performance (usage of all UTM functionalities) ** | | | | | | |
| UTM throughput HTTPS (Mbps) | 200 | 150 | 170 | 340 | 420 | 3,400 |
| Recommended number of VPN tunnels | 25 – 50 | 5 – 25 | 25 – 50 | 100 – 200 | 200 – 1,000 | 1,000 – 5,000 |
| Power | | | | | | |
| Input voltage (V) | 12 – 36 | 100 – 240 | 100 – 240 | 100 – 240 | 100 – 240 | 100 – 240 |
| Max. power consumption (W) | 22.3 (redundant ausgelegt) | 40 | 40 | 40 | 60 | 300 (redundant ausgelegt) |
| Dimensions | | | | | | |
| B x H x T (mm) | 130 × 100 × 150 | 232 × 44 × 115 (without antennas for UF-60 LTE) | 231 × 44 × 200 | 231 × 44 × 200 | 440 × 44 × 269 | 440 × 44 × 364 |

* Compatible LANCOM UF Extension Modules can be found on the [product website](#).

** All throughput rates measured bidirectionally with 1,500 bytes packet size.

You can find the service and support portfolio at www.lancom-systems.com/service-support or in the [service & support overview](#).

For operation in a virtualized environment, the LANCOM vFirewall is also available with the same range of security functions as the hardware-based Unified Firewalls. Find out more at: www.lancom-systems.com/vfirewall

A valid operating license is required for all LANCOM R&S® Unified Firewalls and LANCOM vFirewalls (Basic or Full for 1, 3, or 5 years).