

	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	<b>New</b>	
	LANCOM ISG-8000	LANCOM ISG-5000	LANCOM 2100EF	LANCOM 1936VAG-5G / 1926VAG-4G	LANCOM 1926VAG	LANCOM 1930EF-5G	LANCOM 1930EF	LANCOM 1803VAW-5G / 1803VAW	LANCOM 1803VA-5G / 1803VA	LANCOM 1800VAW-4G / 1800VAW	LANCOM 1800VA-5G / 1800VA-4G / 1800VA	LANCOM 1800EFW-5G	LANCOM 1800EF-5G / 1800EF-4G	LANCOM 1800EFW	LANCOM 1800EF	LANCOM 1780EW-4G+	LANCOM IAP-5G / OAP-5G	LANCOM 1650E	LANCOM 750-5G	LANCOM 730-4G+	
Item no.	61077 (EU)	61079 (EU)	61109 (EU)	62144 (EU) / 62123 (EU)	62122 (EU)	62145 (EU)	62146 (EU)	62158 (EU) / 62154 (EU)	62156 (EU) / 62155 (EU) / 62153 (EU)	62147 (EU) / 62149 (EU)	62151 (EU) / 62150 (EU) / 62148 (EU)	62157 (EU)	62140 (EU), 62126 (WW) / 62164 (EU)	62139 (EU) / 62128 (WW)	62138 (EU) / 62127 (US)	61712 (EU) / 61713 (UK)	61718 (EU) / 61911 (EU)	62163	61707 (EU)	61705 (EU)	
Router series & use cases	SD-WAN central site gateways in the headquarters		Multi-Gigabit SD-WAN gateway	SD-WAN (VoIP) gateways of the 1900 series for medium-sized and large sites and branches				SD-WAN (VoIP) gateways of the LANCOM 1800 blackline series for small and medium-sized sites and branches					SD-WAN (VoIP) gateways of the 1800 series for small and medium-sized sites and branches			1700 series for small sites	Industrial & outdoor SD-WAN gateways	Access routers and network extensions			
<b>Hardware features</b>																					
WAN & SFP ports	1x Gigabit Ethernet, 2x 10G SFP+	1x Gigabit Ethernet, 2x 10G SFP+	1x 10G SFP+	1x Gigabit Ethernet, 1x SFP / TP combo	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 SFP / TP combo	1x Gigabit Ethernet, 1x SFP	1x Gigabit Ethernet, 1x SFP	1x Gigabit Ethernet, 1x SFP	1x Gigabit Ethernet	-	1x Gigabit Ethernet	-	-	
VDSL / ADSL2+ Supervectoring	-	-	-	2x or 1x G.Fast	2x or 1x G.Fast	-	-	1x	1x	1x	1x	-	-	-	-	-	-	-	-	-	
Load balancing of multiple WAN connections	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	2x	-	2x	-	-	
Cellular radio	-	-	-	1936VAG-5G: 1x Dual-SIM 5G, 1926VAG-4G: 1x dual-SIM LTE Advanced (Cat. 6)	-	1x Dual-SIM 5G	-	1803VAW-5G: 1x 5G	1803VA-5G: 1x 5G, 1803VA-4G: 1x LTE Advanced (Cat. 6)	Only 1800VAW-4G: 1x LTE Advanced (Cat. 6)	1800VA-5G: 1x 5G, 1800VA-4G: 1x LTE Advanced (Cat. 6)	1x 5G	1800EF-5G: 1x 5G, 1800EF-4G: 1x LTE Advanced (Cat. 6)	-	-	1x LTE Advanced (Cat. 6)	1x 5G	-	1x 5G	1x LTE Advanced (Cat. 6)	
LAN ports (Gigabit Ethernet switch)	8x	6x	1x 10G SFP+, 4x 2.5 Gigabit Ethernet	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	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 802.3af)	
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 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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	✓	-	-	
<b>Functions</b>																					
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	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	3 integrat-ed	-	-	
X.509 certificates   CRL & SCEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-
Advanced Routing & Forwarding	256 contexts	256 contexts	64 contexts	64 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](http://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](http://www.lancom-systems.com/vrouter)

	New	New				New					New	New	New										
	LANCOM CS-8132F	LANCOM YS-7154CF	LANCOM XS-6128QF	LANCOM XS-5116QF	LANCOM XS-5110F	LANCOM XS-4530YUP / XS-4554YUP	LANCOM GS-4554XUP	LANCOM GS-4554X / GS-4554XP	LANCOM GS-4530XUP	LANCOM GS-4530X / GS-4530XP	LANCOM XS-3550YUP	LANCOM XS-3526YUP	LANCOM XS-3510YUP	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.	F2B: 61909 B2F: 61910	F2B: 61907 B2F: 61908	61860	61859	61858	61885 / 61886	61884	61869 / 61870	61883	61867 / 61868	61891	61890	61889	61877 / 61878 / 61879	61876	61880 / 61882	61850	61847 / 61848	61849 / 61912	61446	61483 / 61481	61492 / 61440	61457 / 61430
Switch series	Core switch for three-tier campus networks		XS & YS series – Stackable aggregation / distribution switches for hierarchical switch infrastructures			XS-4500 series – Full L3 10G stackable enterprise-class access switches (25G and 100G uplink)		GS-4500 series – Full L3 2.5G stackable enterprise-class access switches (10G and 40G uplink)				XS-3000 series – L3-lite 10G SMB-class access switches (25G uplink)			()GS-3000 series – L3-lite 2.5G SMB-class access switches (10G uplink)				GS-2000 series – L2 1G SMB-class access switches (1G uplink)			Unmanaged Switches	
<b>Hardware features</b>																							
Ports	32x 100G QSFP28	48x 25G SFP28, 6x 100G QSFP28 (thereof 4x Flex (1G / 10G / 25G))	20x 10G SFP+ (thereof 4x SFP+ or 4x 1G / 2.5G / 5G / 10G nBASE-T), 4x 25G SFP28 Flex, 2x 40G QSFP+Flex, 4x 50G SFP-DD-Flex	14x 10G SFP+ (thereof 2x SFP+ or 1G / 2.5G / 5G / 10G), 2x 40G QSFP+	8x 10G SFP+, 2x multi-Giga-bit Ethernet (1G / 2.5G / 5G / 10G)	12x 10G, 12x / 36x 2.5G, 4x 25G SFP28, 2x 100G QSFP28	48x 2.5G, 4x 10G SFP+, 2x 40G QSFP+	12x 2.5G, 36x 1G, 4x 10G SFP+, 2x 40G QSFP+	24x 2.5G, 4x 10G SFP+, 2x 40G QSFP+	12x 2.5G, 12x 1G, 4x 10G SFP+, 2x 40G QSFP+	8x 10G, 40x 1G, 2x 25G SFP28	8x 10G, 16x 1G, 2x 25G SFP28	4x 10G, 4x 1G, 2x 25G SFP28	12x 2.5G, 36x 1G, 4x 10G SFP+	48x 1G, 4x 10G SFP+	12x 2.5G, 12x 1G, 4x 10G SFP+	12x 2.5G, 12x 1G, 4x 10G SFP+	24x 1G, 2x 10G SFP+	4x 2.5G, 4x 1G, 2x 10G SFP+	20x 1G SFP, 4x Combo TP / SFP, 4x 10G SFP+	24x 1G, 2x Combo TP / SFP	8x 1G, 2x Combo TP / SFP	8x 1G
thereof PoE / PoE+ (IEEE 802.3af/at)	-	-	-	-	-	-	24	- / 48	-	- / 24	40	16	4	- / 48 / 36	36	- / 12	24	- / 24	8 / 4	-	- / 24	- / 8	- / 8
thereof PoE++ (IEEE 802.3bt PD-Type 4)	-	-	-	-	-	24 / 48	24	-	24	-	8	8	4	- / - / 12	-	- / 12	-	-	- / 4	-	-	-	-
PoE budget	-	-	-	-	-	720W (w. 2nd PSU 1,440 W)	720 W (w. 2nd PSU 1,440 W)	- / 720 W (w. 2nd PSU 1,440 W)	720 W (w. 2nd PSU 1,440 W)	- / 720 W	720 W (w. 2nd PSU 1,440 W)	720 W	370 W	- / 740 W / 720 W (w. 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, micro-USB	RJ45, micro-USB	RJ45, micro-USB	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	RJ45	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   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	6.4 Tbps	3.6 Tbps	1,000 Gbps	440 Gbps	200 Gbps	900 / 1,020 Gbps	480 Gbps	372 Gbps	360 Gbps	324 Gbps	340 Gbps	292 Gbps	188 Gbps	212 Gbps	176 Gbps	164 Gbps	164 Gbps	88 Gbps	68 Gbps	128 Gbps	52 Gbps	20 Gbps	16 Gbps
<b>Functions &amp; services <sup>1</sup></b>																							
Virtual Port Channel (VPC) & In-service-software-updates (ISSU) for 100% uptime	✓	✓	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stacking for nearly 100% uptime	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Limited Lifetime Warranty (LLW) & DoA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Management</b>																							
Dynamic routing (full layer 3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
Static routing (layer 3 lite)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DHCP server	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
SNMP v1   v2   v3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
<b>Accessories (transceiver modules)</b>																							
1G: SFP-SX-LC1   SFP-SX2-LC1   SFP-LX-LC1	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1G: SFP-CO1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1G: SFP-BiDi1550-SC1   10G: SFP-BiDi1310-LC10	-	-	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10G: SFP-SX-LC10   SFP-LX-LC10   SFP-LR40-LC10	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
10G: SFP-CO10-MG	-	-	✓ max. 4x	✓ max. 4x	✓ max. 4x	✓ max. 2x	✓ max. 2x	✓ max. 2x	✓ max. 2x	✓ max. 2x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x	✓ max. 1x
25G: SFP-LR-LC25   SFP-SR-LC25	-	✓	✓	-	-	✓	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-
40G: SFP-LR-LC40   SFP-SR-MPO40	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-
100G: SFP-SR-MPO100   SFP-LR-LC100	✓	✓	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Accessories (Direct Attach Cable)</b>																							
SFP-DAC10   SFP-DAC25   SFP-DAC40	-   -   ✓	✓	✓	✓   -   ✓	✓   -   -	✓	✓   -   ✓	✓   -   ✓	✓   -   ✓	✓   -   ✓	✓   ✓   -	✓   ✓   -	✓   ✓   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -	✓   -   -
SFP-DD-DAC50	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SFP-DAC100	✓	✓	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

✓ available / included - not available / unsuitable  
<sup>1</sup> All switches with the exception of the unmanaged switches also have the following (security) functions: QoS (port, TOS/DSCP, 802.1p), RSTP redundancy, MAC address limit per port, IEEE 802.1X access control, Broadcast storm control, and TACACS+  
<sup>2</sup> 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](http://www.lancom-systems.com/service-support) or in the [service & support overview](#).

	New	New										
	LANCOM LX-7500	LANCOM LX-7300	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.	61897 (EU) 61898 (Bulk 5)	61893 (EU) 61894 (Bulk 5)	61861 / 61872 (EU) 61863 / 61873 (Bulk 10)	61825 (EU), 61827 (US) 61826 (WW) 61828 (WW, Bulk 10)	61821 (EU), 61823 (US) 61822 (WW) 61824 (WW, Bulk 10)	61871 / 61833 (EU), 61874 / 61835 (EU, Bulk 10)	61866 (EU)	61865 (EU)	61664 (EU) 61665 (US)	61694 (WW) 61695 (WW, Bulk 10) 61696 (US)	61757 (EU) 61758 (UK) 61760 (Bulk 5)	61755 (EU) 61756 (UK) 61759 (Bulk 5)
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	
<b>Hardware features</b>												
Gross data rate / Wi-Fi interface	11,530 Mbps (6 GHz) 5,764 Mbps (5 GHz) 1,200 Mbps (2.4 GHz)	5,765 Mbps (6 GHz) 2,882 Mbps (5 GHz) 575 Mbps (2.4 GHz)	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/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/be	5 GHz 802.11a/n/ac/ax/be	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	2.4 GHz 802.11b/g/n 5 GHz 802.11a/n/ac
3rd Wi-Fi interface	6 GHz 802.11ax/be	6 GHz 802.11ax/be	6 GHz 802.11ax	–	–	–	–	–	–	–	–	–
LAN connector	1x 10 Gigabit Ethernet, 1x 2.5 Gigabit Ethernet	1x 10 Gigabit Ethernet, 1x 2.5 Gigabit Ethernet	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	Integrated antennas for 6 GHz, 5 GHz, 2.4 GHz, and BLE	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, omni- directional antenna for BLE	Dedicated antennas for BLE	Integrated antennas for 5 GHz and 2.4 GHz	–	–
BLE standard	5.1	5.1	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	2.0	3.0	3.0	3.0	2.0	–	–	–	–	–	–
Power over Ethernet (PoE)	802.3at/bt (reduced operation with 802.3at)	802.3at/bt (reduced operation with 802.3at)	802.3bt (reduced operation with 802.3at)	802.3at	802.3at	802.3at	802.3bt with & 802.3at without PoE Passthrough	802.3bt with & 802.3at without PoE Passthrough	802.3at	802.3af	802.3af	802.3af
Dual PoE-in capability	✓ <sup>1</sup>	–	–	–	–	–	–	–	–	–	–	–
Housing and protection rating	Polycarbonat and Aluminium (white, IP50, UL2043 certified)	Polycarbonat and Aluminium (white, IP50, UL2043 certified)	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
Incl. mounting bracket	Universally compatible <sup>2</sup>	Universally compatible <sup>2</sup>	LANCOM Wall Mount (LN)	LANCOM Wall Mount (LN)	–	–	–	–	–	–	–	–
Temperature range	0°C - +40°C	0°C - +40°C	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 *	✓	✓	✓	✓	✓	✓	✓	✓	–	–	–	–
<b>Functions</b>												
Position / motion sensor   power consumption meter	✓	✓	–	–	–	–	–	–	–	–	–	–
Scan radio	✓	✓	–	–	–	–	–	–	–	–	–	–
Client-Modus   WLAN P2P (LX-LX oder LCOS-LCOS)	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	✓	✓
Multi SSID	up to 32	up to 32	up to 32	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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Support of digital displays	via Wireless ePaper USB	via Wireless ePaper USB	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	
<b>Hardware features</b>		
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	– <sup>3</sup>
<b>Functions</b>		
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 (EN 60601-1-2 compliant)

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

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](http://www.lancom-systems.com/vrouter)

<sup>1</sup> Failover: uninterrupted continued operation with PoE supply to both ports

load sharing: various combinations of 802.3af/at/bt possible

full range of functions with 1x 802.3bt or 2x 802.3at.

<sup>2</sup> Allows device replacement of commercially available models without additional drilling

<sup>3</sup> Fanless design without rotating parts



	UF-T60	UF-60 / UF-60 LTE	UF-160	UF-260	UF-360	UF-760	UF-1060
Item no.	55004	55002 / 55003	55012	55024	55036	55035	55038
Category	Industrial	Desktop	Desktop	Desktop	Rack	Rack	Rack / 2HE
<b>Hardware properties</b>							
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+	2x GE copper
Modem	-	LTE Advanced (only UF-60 LTE)	-	-	-	-	-
Power supply & memory redundancy	-	-	-	-	-	Hot swappable PSU	Hot swappable PSU & SSDs
Opt. extension modules *	-	-	-	-	✓ 1G ETH, 1G SFP, 10G SFP+	✓ 1G ETH, 1G SFP, 10G SFP+, 40G QSFP+	✓ 8 slots 1G ETH, 1G SFP, 10G SFP+, 40G QSFP+ 100G QSFP28
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)	Mounting bracket	Extension rails	Mounting bracket and extension rails (recommended rack depth min. 800 mm)
<b>Max. system performance (individual measurements) **</b>							
IDS / IPS throughput HTTPS (Mbps)	1,150	700	750	1,250	1,400	13,000	20,000
Firewall throughput TCP (Mbps)	3,700	3,500	3,550	4,450	11,600	49,830	100,000
VPN throughput IPSec (Mbps)	1,200	790	1,200	1,500	2,200	19,700	40,000
Concurrent sessions	1,000,000	1,000,000	1,000,000	2,000,000	4,000,000	16,700,000	66,800,000
<b>Max. system performance (usage of all UTM functionalities) **</b>							
UTM throughput HTTPS (Mbps)	200	150	170	340	420	3,400	12,000
Recommended number of VPN tunnels	25 – 50	5 – 25	25 – 50	100 – 200	200 – 1,000	1,000 – 5,000	5,000 – 10,000
<b>Power</b>							
Input voltage (V)	12 – 36	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240
Max. power consumption (W)	22.3 (redundantly designed)	40	40	40	60	300 (redundantly designed)	550 (redundantly designed)
<b>Dimensions</b>							
W x H x D (mm)	130 × 100 × 150	232 × 44 × 115 (without antennas for UF-60 LTE)	231 × 44 × 200	231 × 44 × 200	440 × 44 × 269 (without mounting brackets)	440 × 44 × 364 (without mounting brackets)	440 × 88 × 603 (without mounting brackets)

\* 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](http://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](http://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).