	LANCOM ISG-8000	LANCOM ISG-5000	LANCOM 2100EF	LANCOM 1936VAG-5G	LANCOM 1926VAG-4G	LANCOM 1936VAG	LANCOM 1930EF-5G	LANCOM 1930EF	LANCOM 1803VAW-5G / 1803VAW	LANCOM 1803VA-5G / 1803VA-4G / 1803VA	LANCOM 1800VAW-4G / 1800VAW	LANCOM 1800VA-5G / 1800VA-4G / 1800VA	LANCOM 1800EFW-5G	LANCOM 1800EF-5G / 1800EF-4G	LANCOM 1800EFW	LANCOM 1800EF	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)	62142 (EU)	62145 (EU)	62146 (EU)	62158 (EU) / 62154 (EU)	62156 (EU) / 62155 (EU) / 62153 (EU)	62147 (EU) / 62149 (EU)	62151 (EU) / 62150 (EU), 62166 (WW) / 62148 (EU), 62165 (WW)	62157 (EU)	62140 (EU), 62127 (US), 62126 (WW) / 62164 (EU)	62139 (EU), 62128 (WW)	62138 (EU), 62127 (US)	61718 (EU) / 61911 (EU)	62163	61707 (EU)	61705 (EU)
Service category	XL	L	M	M	M	M	M	M	S	S	S	S	S	S	S	S	M / L	S	S	S
LMC license category	D	D	C	C	C	C	C	C	B	B	B	B	B	B	B	B	B	A	A	A
Router series & use cases	Secure SD-WAN central site gateways in the headquarters		Secure SD-WAN gateway with multi-Gigabit WAN	Secure SD-WAN (VoIP) gateways with multi WAN of the 1900 series for medium-sized and large sites and branches					Secure SD-WAN (VoIP) gateways of the LANCOM 1800 blackline series for small and medium-sized sites and branches				Secure SD-WAN gateways of the 1800 series for small and medium-sized sites and branches				Industrial & outdoor Secure SD-WAN gateways	Access routers and network extensions		
Hardware features																				
WAN ports	–	–	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 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	–	–
VDSL / ADSL2+ Supervectoring	–	–	–	2x or 1x G.Fast	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	4x	–	2x	–	–
Celluar radio	–	–	–	1x Dual-SIM 5G	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)	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 5G	–	1x 5G	1x LTE Advanced (Cat. 6)
eSIM support (as of LCOS 10.94)	–	–	–	–	–	–	✓	–	✓	–	✓ as of Rel. D / ✓ as of Rel. D / –	–	✓ as of Rel. D / ✓ as of Rel. D / –	✓	✓ as of Rel. D / ✓ as of Rel. D	–	– / ✓	–	–	–
LAN ports	2x 10G SFP+, 8x Gigabit Ethernet	2x 10G SFP+, 6x Gigabit Ethernet	1x 10G SFP+, 4x 2.5 Gigabit Ethernet	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	4x	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 at 5 GHz and parallel 575 at 2.4 GHz (IEEE 802.11ax)	–	1,200 at 5 GHz and parallel 575 at 2.4 GHz (IEEE 802.11ax)	–	1,200 at 5 GHz and parallel 575 at 2.4 GHz (IEEE 802.11ax)	–	1,200 Mbps at 5 GHz and 575 at 2.4 GHz (IEEE 802.11ax)	–	–	–	–	–
ISDN ports	–	–	–	2x NT	2x NT	2x NT	–	–	2x NT	2x NT	–	–	–	–	–	–	–	–	–	–
Analog ports	–	–	–	4x a/b	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	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	3 integrated	–	–
X.509 certificates / CRL & SCEP	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	–
Advanced Routing & Forwarding	256 contexts	256 contexts	64 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	2 contexts	2 contexts	2 contexts
Voice Call Manager / Session Border Controller	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	✓ / ✓	O / O	O / O	O / O	O / O	O / O	O / O	– / –	O / O	– / –	– / –

✓ available / included   O 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 & SD-WAN (VoIP) gateways include the following ports & features: switchable ports (WAN, LAN, DMZ, monitor), 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.

	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-3628XP / GS-3628XUP	LANCOM GS-3126X / GS-3126XP	LANCOM GS-3510XP	LANCOM IGS-3128XF	LANCOM IGS-3510XUP	LANCOM GS-2426 / GS-2426P	LANCOM GS-2412 / GS-2412P	LANCOM GS-1208P
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 / 61881 / 61882	61847 / 61848	61849	61446	61912	61669 / 61670	61667 / 61668	61673
Service category | Warranty	XXL | LLW	XXL | LLW	XL | LLW	XL | LLW	L | LLW	XL | LLW	XL | LLW	XL | LLW	XL | LLW	XL | LLW	L | 5 years	M | 5 years	S | 5 years	L | 5 years	L | 5 years	M | 5 years	M | 5 years	S | 5 years	M | 5 years	S | 5 years	S | 5 years	S | 5 years	– | 2 years
LMC license category	D	D	C	C	C	C / D	D	D	C	C	B	B	A	C	C	B	B	A	B	A	B	A	–
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 SME-class access switches (25G uplink)			GS-3000 series – L3-lite 2.5G SME-class access switches (10G uplink)					IGS-3000 series – L3-lite industrial-class access switches (10G uplink)		GS-2000 series – L2 1G SME-class access switches (1G uplink)		Unmanaged Switch
Hardware features																							
Ports	32x 100G QSFP28	48x 25G SFP28, 6x 100G QSFP28 (thereof 4x FleX)	20x 10G SFP+ (thereof 4x multi-Gigabit combo ports: SFP+ or 1G / 2.5G / 5G / 10G), 4x 25G SFP28 FleX, 2x 40G QSFP+ FleX, 4x 50G SFP-DD-FleX	14x 10G SFP+ (thereof 2x multi-Gigabit combo ports: SFP+ or 1G / 2.5G / 5G / 10G), 2x 40G QSFP+	8x 10G SFP+, 2x multi-Gigabit 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+	24x 1G, 2x 10G SFP+	4x 2.5G, 2x 10G SFP+	20x 1G SFP, 4x Combo TP / SFP, 4x 10G SFP+	4x 2.5G, 4x 1G, 2x 10G SFP+	24x 1G, 2x Combo TP / SFP	10x 1G, 2x SFP	8x 1G
thereof PoE / PoE+ (IEEE 802.3af/at)	–	–	–	–	–	–	24	– / 48	–	– / 24	40	16	4	– / 48 / 36	36	– / 24 / 12	– / 24	8	–	4	– / 24	– / 8	8
thereof PoE++ (IEEE 802.3bt PD-Type 4)	–	–	–	–	–	24 / 48	24	–	24	–	8	8	4	– / – / 12	–	– / – / 12	–	4	–	4	–	–	–
PoE budget	–	–	–	–	–	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 (w. 2nd PSU 1,440 W)	– / 720 W	720 W (w. 2nd PSU 1,440 W)	720 W	370 W	– / 740 W / 740 W	370 W	– / 370 W / 740 W	– / 185 W	130 W	–	360 W	– / 185 W	– / 130 W	65 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	DB9	RJ45	RJ45	RJ45	–
Max. throughput / switch capacity	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	88 Gbps	68 Gbps	128 Gbps	68 Gbps	52 Gbps	24 Gbps	16 Gbps
Functions & services [1]																							
Virtual Port Channel (VPC) & In-service-software-updates (ISSU) for 100% uptime	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Stacking for nearly 100% uptime	–	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
Limited Lifetime Warranty (LLW) & DoA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
Management																							
Dynamic routing (full layer 3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
Static routing (layer 3 lite)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–
DHCP server	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–[2]	–	–
Accessories (transceiver modules)																							
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. 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	–
25G: SFP-LR-LC25 | SFP-SR-LC25	–	✓	✓	–	–	✓	–	–	–	–	✓	✓	✓	–	–	–	–	–	–	–	–	–	–
40G: SFP-LR-LC40 | SFP-SR-MPO40	✓	–	✓	✓	–	–	✓	✓	✓	✓	–	–	–	–	–	–	–	–	–	–	–	–	–
100G: SFP-SR-MPO100 | SFP-LR-LC100	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Accessories (Direct Attach Cable)																							
SFP-DAC10 | SFP-DAC25 | SFP-DAC40	– | – | ✓	– | ✓ | –	✓ | – | ✓	✓ | – | ✓	✓	✓ | ✓ | –	✓ | – | ✓	✓ | – | ✓	✓ | – | ✓	✓ | – | ✓	✓ | ✓ | –	✓ | ✓ | –	✓ | ✓ | –	✓ | – | –	✓	✓ | – | –	✓	✓	✓ | – | –	✓	✓	✓	–
SFP-DD-DAC50	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
SFP-DAC100	✓	✓	–	–	–	✓	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

✓ available / included   – not available / unsuitable   LLW = LANCOM Limited Lifetime Warranty

[1] 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, TACACS+, and SNMP v1/v2/v3.

[2] DHCP relay agent with DHCP option 66, DHCP option 67, and DHCP option 82.

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

Access Point comparison

	LANCOM LX-7500 (New)	LANCOM LX-7400	LANCOM LX-7300	LANCOM LX-7200 / LX-7200E (New)	LANCOM LX-6500 / LX-6500E	LANCOM LX-6402	LANCOM LX-6400	LANCOM LX-6212	LANCOM LX-6200 / LX-6200E	LANCOM OX-6402	LANCOM OX-6400	LANCOM OW-602	LANCOM LW-700 (New)	LANCOM IAP-822
Item no. (B = Bulk)	61897, 61898 (B5)	61933, 61934 (B5)	61893, 61894 (B5)	61927, 61928 (B5) / 61929, 61930 (B5)	61861, 61863 (B5) / 61872, 61873 (B5)	61825 (EU), 61827 (US), 61826 (WW), 61828 (WW, B10)	61821 (EU), 61823 (US), 61822 (WW), 61824 (WW, B10)	61887 (EU), 61888 (EU, B10)	61871 (EU), 61874 (EU, B10) / 61833 (EU), 61835 (EU, B10)	61866 (EU)	61865 (EU)	61664 (EU), 61665 (US)	61931, 61932 (B5)	61757 (EU), 61758 (UK), 61760 (B5)
Service category	S	S	S	S	S	S	S	S	S	L	L	M	S	M
LMC license category	A	A	A	A	A	A	A	A	A	A	A	A	A	A
Access Point series & use cases	LX series (Wi-Fi 7) – Indoor Wi-Fi for medium and high user densities				LX series (Wi-Fi 6) – 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 point
Hardware features & functions														
Gross data rate / Wi-Fi interface in Mbps	11,530 (6 GHz) 5,765 (5 GHz) 1,200 (2.4 GHz)	11,530 (6 GHz) 5,765 (5 GHz) 1,200 (2.4 GHz)	5,765 (6 GHz) 2,882 (5 GHz) 688 (2.4 GHz)	5,765 (6 GHz) 2,882 (5 GHz) 688 (2.4 GHz)	4,800 (6 GHz) 2,400 (5 GHz) 1,200 (2.4 GHz)	2,400 (5 GHz) 1,200 (2.4 GHz)	2,400 (5 GHz) 1,200 (2.4 GHz)	1,200 (5 GHz) 575 (2.4 GHz)	1,200 (5 GHz) 575 (2.4 GHz)	2,400 (5 GHz) 1,200 (2.4 GHz)	2,400 (5 GHz) 1,200 (2.4 GHz)	1,200 (5 GHz) 575 (2.4 GHz)	2,882 (5 GHz) 688 (2.4 GHz)	867 (5 GHz) 300 (2.4 GHz)
1st Wi-Fi interface	2.4 GHz 802.11b/g/n/ax	2.4 GHz 802.11b/g/n/ax/be	2.4 GHz 802.11b/g/n/ax	2.4 GHz 802.11b/g/n/ax/be	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 802.11 b/g/n/ax/be	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/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	5 GHz 802.11a/n/ac/ax	5 GHz 802.11a/n/ac/ax	5 GHz 802.11a/n/ac/ax	5 GHz 802.11 a/n/ac/ax/be	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/be	6 GHz 802.11ax/be	6 GHz 802.11ax	–	–	–	–	–	–	–	–	–
Multi user MIMO | streams	4×4 | 4+4+4	4×4/2×2 | 4+4+2	2×2 | 2+2+2	2×2 | 2+2+2	4×4 | 4+4+4	4×4 | 4+4	4×4 | 4+4	2×2 | 2+2	2×2 | 2+2	4×4 | 4+4	4×4 | 4+4	2×2 | 2+2	2×2 | 2+2	2×2 | 2+2
LAN connector	1x 10G Ethernet, 1x 2.5G Ethernet	1x 10G Ethernet, 1x 1G Ethernet	1x 10G Ethernet, 1x 2.5G Ethernet	1x 2.5G Ethernet, 1x 1G Ethernet	2x 2.5G Ethernet	1x 2.5G Ethernet, 1x 1G Ethernet	1x 2.5G Ethernet, 1x 1G Ethernet	2x 1G Ethernet	1x 1G Ethernet	1x 2.5G Ethernet, 1x 2.5G Ethernet with PoE Passthrough	1x 2.5G Ethernet, 1x 2.5G Ethernet with PoE Passthrough	2x 1G Ethernet	1x 2.5G Ethernet	1x 1G Ethernet, 1x 1 Fast 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	Integrated antennas for 6 GHz, 5 GHz, 2.4 GHz, and BLE, LX-7200E incl. 1x Wireless ePaper	Integrated antennas for 6 GHz, 5 GHz, 2.4 GHz, and BLE, LX-6500E incl. 1x Wireless ePaper	Dedicated antenna for BLE	Integrated antennas for 5 GHz, 2.4 GHz, and BLE	Dedicated antenna for BLE	Integrated antennas for 5 GHz, 2.4 GHz, and BLE, LX-6200E incl. 1x Wireless ePaper	Dedicated antenna for BLE	Integrated 70° Wi-Fi 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	5.4	5.1	5.4	5.1	5.0	5.0	5.1	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)
Supplied antennas	–	–	–	–	–	4x dualband WLAN	–	–	–	4x dualband WLAN	–	2x 2.4 GHz WLAN, 2x 5 GHz WLAN	–	4x dualband WLAN
USB port	3.0	2.0	2.0	2.0	3.0	3.0	3.0	2.0	2.0	–	–	–	–	–
Power over Ethernet (PoE)	802.3at/bt (reduced op. with 802.3at)	802.3bt	802.3at/bt (reduced op. with 802.3at)	802.3at	802.3bt (reduced op. with 802.3at)	802.3at	802.3at	802.3at	802.3at	802.3bt & 802.3at without PoE Passthrough	802.3bt & 802.3at without PoE Passthrough	802.3at	802.3at	802.3af
Dual PoE-in capability	✓ [1]	–	–	–	–	–	–	–	–	–	–	–	–	–
Housing and protection rating	Polycarbonat & Aluminium (white, P50, UL2043 certified)	Polycarbonat & Aluminium (white, P50, UL2043 certified)	Polycarbonat & Aluminium (white, P50, UL2043 certified)	Polycarbonat & Aluminium (white, P50, UL2043 certified)	Plastic / metal (white)	Plastic / metal (white)	Plastic / metal (white)	Plastic / metal (white)	Plastic / metal (white)	Plastic / metal (white), IP67	Plastic / metal (white), IP67	Plastic (white), IP67	Polycarbonat & Aluminium (white)	Metal, IP50
Incl. mounting bracket	universally compatible [2]	universally comp. [2]	universally comp. [2]	universally comp. [2]	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	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
Medical norm *	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	–	✓	–
Position / motion sensor | power consumption meter	✓	✓	✓	✓	–	–	–	–	–	–	–	–	–	–
Scan radio	✓	–	✓	✓	–	–	–	–	–	–	–	–	–	–
Client mode | Wi-Fi P2P	✓	–	–	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
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 32	up to 32	up to 32	up to 30
Support of digital displays * Vusion, Solum, Hanshow	via 3rd party USB*	via 3rd party USB*	via 3rd party USB*	LX-7200 via 3rd party USB* / LX-7200E integrated for Vusion	LX-6500 via 3rd party USB* / LX-6500E integrated for Vusion	via 3rd party USB*	via 3rd party USB*	via 3rd party USB*	LX-6200 3rd party USB* / LX-6200E integrated for Vusion	–	–	–	–	–

WLAN controllers

	LANCOM WLC-2000	LANCOM WLC-60
Item no.	62235	61719
Service category	L	S
LMC license category	D	B
Series & use case	WLAN controllers for 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	– [3]
Functions		
Number of managed LANCOM access points and Wi-Fi routers	25 (upgrade-able to max. 2,000)	6 (upgrade-able to max. 60)
Integrated VPN gateway	5 channels	5 channels
Advanced Routing & Forwarding	Up to 128 VLAN / IP contexts	Up to 16 VLAN / IP contexts
Layer-3 tunneling	✓	✓
Wi-Fi 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 (EN 60601-1 compliant)

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 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

[1] 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.

[2] Allows device replacement of commercially available models without additional drilling (low-profile mounting plate)

[3] Fanless design without rotating parts

03/26

New

	UF-T60	UF-60	UF-160	UF-260	UF-360	UF-560	UF-760	UF-1060
Item no.	55004	55002	55012	55024	55034	55044	55035	55038
Service category	M	S	S	S	M	L	XL	XL
LMC license category	B	B	B	B	C	C	D	D
Category	Industrial	Desktop	Desktop	Desktop	Rack	Rack	Rack	Rack / 2 height units
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+	8x GE copper, 2x SFP+	2x GE copper
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+	✓ 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 brackets	Mounting brackets and extension rails	Mounting brackets and extension rails	Mounting brackets and extension rails (recomm. rack depth min. 800 mm)
**Max. system performance (individual measurements) ** **								
IDS / IPS throughput HTTPS (Mbps)	1,150	700	750	1,250	1,400	4,700	13,000	20,000
Firewall throughput TCP (Mbps)	3,700	3,500	3,550	4,450	11,600	20,000	49,830	100,000
VPN throughput IPSec (Mbps)	1,200	790	1,200	1,500	2,200	9,000	19,700	40,000
Concurrent sessions	1,000,000	1,000,000	1,000,000	2,000,000	4,000,000	4,000,000	16,700,000	66,800,000
**Max. system performance (usage of all UTM functionalities) ** **								
UTM throughput HTTPS (Mbps)	200	150	170	340	420	1,500	3,400	12,000
Recomm. number of VPN tunnels	25 – 50	5 – 25	25 – 50	100 – 200	200 – 1,000	1,000 – 3,000	1,000 – 5,000	5,000 – 10,000
Power								
Input voltage (V)	12 – 36	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240	100 – 240
Max. power consumption (W)	22.3 (redundantly designed)	40	40	40	60	250	300 (redundantly designed)	550 (redundantly designed)
Idle power consumption (W)	11.32 @ 12 V 12.58 @ 24 V	5	10.4	11.9	15.6	37.0	76.0	100
Dimensions								
W x H x D (mm)	130 × 100 × 150	232 × 44 × 115	231 × 44 × 200	231 × 44 × 200	440 × 44 × 269 (without brackets)	440 × 44 × 450 (without brackets)	440 × 44 × 364 (without brackets)	440 × 88 × 603 (without 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 or in the service & support overview.

Firewall licensing model:
A valid license is required to operate a LANCOM R&S®Unified Firewall or LANCOM vFirewall. With the flexible licensing model, you can choose between your desired scope of functions (Basic, SAG Basic, Full, or SAG Full) and the available license terms of 1, 3, or 5 years, or a monthly billing option if you have an existing SPLA agreement.
Basic License: Activates firewall functions and provides firmware updates.
Full License: Adds full UTM and VPN functionality as well as content filtering to the Basic License.
SAG Basic / Full License: Adds container functionality for secure edge computing scenarios to the Basic or Full License (hardware appliances only).

vFirewall

For operation in a virtualized environment, the Virtual Unified Firewall (LANCOM vFirewall) is also available with a comparable range of security functions as the hardware-based firewalls.

	vFirewall - S	vFirewall - M	vFirewall - L	vFirewall - XL
Item no.				
Basic License 1 / 3 / 5 years / SPLA	55186 / 55187 / 55188 / 55273	55192 / 55193 / 55194 / 55275	55198 / 55199 / 55200 / 55277	55204 / 55205 / 55206 / 55279
Full License 1 / 3 / 5 years / SPLA	55189 / 55190 / 55191 / 55274	55195 / 55196 / 55197 / 55276	55201 / 55202 / 55203 / 55278	55207 / 55208 / 55209 / 55280
Features				
Cores	1	2	4	16
RAM	4	8	16	64
Recomm. number of users ***	up to 20	up to 100	up to 200	up to 500
VLAN	16	32	64	256

*** When all users are using all UTM functions simultaneously

Firewall finder

Determine the optimal hardware configuration for your company size and network utilization. The recommendations are based on a full license (UTM scenario). The specified number of devices can also refer to individual workstations.

Sample customers	Data volume	UF-60	UF-160	UF-260	UF-360	UF-560	UF-760	UF-1060
Medical offices, pharmacies etc. (individual sites)	Low data volume e. g. e-mail, calendar, web surfing, VoIP, correspondence, invoices	5 devices	15 devices	50 devices				
Classic office environments, administrations etc. (individual sites)	Average data volume e. g. web-based office applications, conferencing solutions, presentations	5 devices	25 devices	50 devices	100 devices	200 devices	800 devices	
Creative agencies, architectural offices etc. (individual sites)	High data volume e.g. technical drawings, web-based image, sound, and video editing	5 devices	10 devices	25 devices	40 devices	200 devices		
Schools	Inconsistent data volume Different security level per network: e. g. administration network with UTM, but not in the student Wi-Fi	< 25 teachers < 400 students	< 50 teachers < 600 students	< 70 teachers < 900 students	> 70 teachers > 900 students	–		
Company headquarters	Average data volume Central security procedures or branch office security for sites via the headquarters	< 25 small sites 0 large sites	< 70 small sites 3 large sites	< 100 small sites < 5 large sites	< 500 small sites < 20 large sites			

Attention: The provider line could limit the data volume.
For the data volume, the LAN and WAN traffic must be considered additively.

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