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	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	
Artikel-Nr.	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-Serie	Core Switch für Three-Tier-Campus-Netze		YS- und XS-Serie – Stackable Aggregation / Distribution Switches für hierarchische Switch-Infrastrukturen			XS-4500-Serie – Full L3 10G stackable Enterprise-class Access Switches (25G und 100G Uplink)	GS-4500-Serie – Full L3 2,5G stackable Enterprise-class Access Switches (10G und 40G Uplink)				XS-3000-Serie – L3-Lite 10G SMB-class Access Switches (25G Uplink)			()GS-3000-Serie – L3-Lite 2,5G SMB-class Access Switches (10G Uplink)					GS-2000-Serie – L2 1G SMB-class Access Switches (1G Uplink)		Unmanaged Switches			
<b>Hardware-Features</b>																								
Ports	32x 100G QSFP28	48x 25G SFP28, 6x 100G QSFP28 (davon 4x FleX (1G / 10G / 25G))	20x 10G SFP+ (davon 4x SFP+ oder 4x 1G / 2,5G / 5G / 10G nBASE-T), 4x 25G SFP28 FleX, 2x 40G QSFP+Flex, 4x 50G SFP-DD-FleX	14x 10G SFP+ (davon 2x SFP+ oder 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	
davon PoE / PoE+ (IEEE 802.3af/at)	-	-	-	-	-	-	24	- / 48	-	- / 24	40	16	4	- / 48 / 36	36	- / 12	24	- / 24	8 / 4	-	- / 24	- / 8	- / 8	
davon PoE++ (IEEE 802.3bt PD-Type 4)	-	-	-	-	-	24 / 48	24	-	24	-	8	8	4	- / - / 12	-	- / 12	-	-	- / 4	-	-	-	-	
PoE-Budget	-	-	-	-	-	720W (mit 2. PSU 1.440 W)	720 W (mit 2. PSU 1.440 W)	- / 720 W (mit 2. PSU 1.440 W)	720 W (mit 2. PSU 1.440 W)	- / 720 W	720 W (mit 2. PSU 1.440 W)	720 W	370 W	- / 740 W / 720 W (mit 2. 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	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	✓	-	-	- / - / ✓	-	-	-	-	-	-	-	-	-	
Serielle Schnittstelle	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	DB9	RJ45	RJ45	-	
Latenzzeiten   MAC-Adressen	≤ 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	
Maximaler Durchsatz	6,4 TBit/s	3,6 TBit/s	1.000 GBit/s	440 GBit/s	200 GBit/s	900 / 1.020 GBit/s	480 GBit/s	372 GBit/s	360 GBit/s	324 GBit/s	340 GBit/s	292 GBit/s	188 GBit/s	212 GBit/s	176 GBit/s	164 GBit/s	164 GBit/s	88 GBit/s	68 GBit/s	128 GBit/s	52 GBit/s	20 GBit/s	16 GBit/s	
<b>Funktionen &amp; Services <sup>1</sup></b>																								
Virtual Port Channel (VPC) & In-Service-Software-Updates (ISSU) für 100% Uptime	✓	✓	✓	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Stacking für nahezu 100% Uptime	-	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	
Limited Lifetime Warranty (LLW) & DoA	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Management</b>																								
Dynamisches Routing (Full Layer 3)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	
Statisches Routing (Layer 3 Lite)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	-	-	-	-	
DHCP-Server	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	- <sup>2</sup>	- <sup>2</sup>	-	-	
SNMP v1   v2   v3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
<b>Zubehör (Transceiver-Module)</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	-	
25G: SFP-LR-LC25   SFP-SR-LC25	-	✓	✓	-	-	✓	-	-	-	-	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	
40G: SFP-LR-LC40   SFP-SR-MPO40	✓	✓	✓	✓	-	✓	✓	✓	✓	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	
100G: SFP-SR-MPO100   SFP-LR-LC100	✓	✓	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Zubehör (Direct Attach Cable)</b>																								
SFP-DAC10   SFP-DAC25   SFP-DAC40	- - ✓	✓	✓	✓ - ✓	✓ - -	✓	✓ - ✓	✓ - ✓	✓ - ✓	✓ - ✓	✓ ✓ -	✓ ✓ -	✓ ✓ -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	✓ - -	-
SFP-DD-DAC50	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SFP-DAC100	✓	✓	-	-	-	✓	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

✓ vorhanden / inklusive - nicht vorhanden / nicht geeignet

<sup>1</sup> Alle Switches mit Ausnahme der Unmanaged Switches haben zusätzlich folgende (Sicherheits-)Funktionen: QoS (Port, TOS/DSCP, 802.1p), RSTP-Redundanz, MAC-Adressen-Limit pro Port, IEEE 802.1X Access Control, Broadcast Storm Control und TACACS+

<sup>2</sup> DHCP Relay Agent mit: DHCP Option 66, DHCP Option 67, DHCP Option 82

Ein umfangreiches Service- und Support-Portfolio finden Sie unter [www.lancom-systems.de/service-support](http://www.lancom-systems.de/service-support) oder in der [Service- & Support-Übersicht](#).