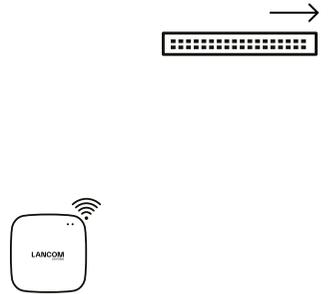# Performance overview: PoE switches & maximum number of access points

This overview lists how many LANCOM access points can be operated on the respective LANCOM access switches with PoE functionality – based on the number of ports and PoE power.
The table serves as a dimensioning guide for network planning and helps you to optimally coordinate the LAN and Wi-Fi portfolio.

		XS-4554YUP	XS-4530YUP	GS-4554XUP	GS-4554XP	GS-4530XUP	GS-4530XP	XS-3550YUP	XS-3526YUP	XS-3510YUP	GS-3652XUP	GS-3652XP	GS-3252P	GS-3628XUP	GS-3628XP	GS-3126XP	GS-3510XP	IGS-3510XUP	GS-2426P	GS-2412P	GS-1208P
Number of 30 W ports (PoE / PoE+, IEEE 802.3af/at)		0	0	24	48	0	24	40	16	4	36	48	36	12	24	24	8	4	24	8	8
Number of 90 W ports (PoE++, IEEE 802.3bt PD type 4)		48	24	24	0	24	0	8	8	4	12	0	0	12	0	0	0	4	0	0	0
Total number of PoE ports		48	24	48	48	24	24	48	24	8	48	48	36	24	24	24	8	8	24	8	8
	Total power *	1,440 W	1,440 W	1,440 W	1,440 W	1,440 W	720 W	1,440 W	720 W	370 W	1,440 W	740 W	370 W	740 W	370 W	185 W	130 W	360 W	185 W	130 W	65 W
LX-7500	31.00 W	46	24	36 **	24 **	24	12 **	28 **	16 **	6 **	30 **	23 **	11 **	18 **	11 **	5 **	4 **	6 **	5 **	4 **	1 **
LX-7300 *	22.40 W	48	24	48	48	24	24	48	24	8	48	32	16	24	16	8	5	8	8	5	2
LX-7200 / LX-7200E	18.40 W	48	24	48	48	24	24	48	24	8	48	40	20	24	20	10	7	8	10	7	3
LX-6500 / LX-6500E *	28.00 W	48	24	48	48	24	24	48	24	8	48	26	13	24	13	6	4	8	6	4	2
LX-6402 / LX-6400	19.20 W	48	24	48	48	24	24	48	24	8	48	38	19	24	19	9	6	8	9	6	3
LX-6212	12.00 W	48	24	48	48	24	24	48	24	8	48	48	30	24	24	15	8	8	15	8	5
LX-6200 / LX-6200E	13.84 W	48	24	48	48	24	24	48	24	8	48	48	26	24	24	13	8	8	13	8	4
LW-700	12.40 W	48	24	48	48	24	24	48	24	8	48	48	29	24	24	14	8	8	14	8	5
OX-6402 / OX-6400	20.00 W	48	24	48	48	24	24	48	24	8	48	37	18	24	18	9	6	8	9	6	3
OX-6402 / OX-6400 with PoE Passthrough	45.50 W	31	24	24	0	24	0	8	8	4	12	0	0	12	0	0	0	4	0	0	0
OW-602	12.16 W	48	24	48	48	24	24	48	24	8	48	48	30	24	24	15	8	8	15	8	5
IAP-822	10.36 W	48	24	48	48	24	24	48	24	8	48	48	35	24	24	17	8	8	17	8	6
IAP-821	8.80 W	48	24	48	48	24	24	48	24	8	48	48	36	24	24	21	8	8	21	8	7

*   For the access points, practical but deliberately conservative consumption values are used, which are approximately 20 % below the peak power consumption. The performance specifications for switches apply when using a second power supply to maximize PoE performance, if technically possible.

**   The values can be achieved via dual PoE-in (2× 802.3at / PoE+).

*** When operating via PoE according to 802.3at, certain limitations apply (possible reduction of streams, USB deactivated).

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