

THE SUBGROUP LATTICE OF $L_2(16)$

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Nr.	Structure	Order	Length	Maximal Subgroups	Minimal Overgroups
1	$L_2(16)$	4080	1	2 (17), 4 (68), 6 (120), 7 (136)	
2	$2^4 : 5 : 3$	240	17	3, 5, 10 (16)	1
3	$2^4 : 5$	80	17	9, 15 (16)	2
4	A_5	60	68	11 (5), 12 (6), 14 (10)	1
5	$2^4 : 3$	48	17	9, 11 (20)	2
6	D_{34}	34	120	8, 20 (17)	1
7	D_{30}	30	136	10, 12 (3), 14 (5)	1
8	17	17	120	21	6
9	2^4	16	17	13 (15)	3, 5
10	15	15	136	15, 19	2 (2), 7
11	A_4	12	340	16, 19 (4)	4, 5
12	D_{10}	10	408	15, 20 (5)	4, 7
13	2^3	8	255	17 (3), 16, 18 (3)	9
14	S_3	6	680	19, 20 (3)	4, 7
15	5	5	136	21	3 (2), 10, 12 (3)
16	2^2	4	85	20 (3)	11 (4), 13 (3)
17	2^2	4	255	20 (3)	13 (3)
18	2^2	4	255	20 (3)	13 (3)
19	3	3	136	21	10, 11 (10), 14 (5)
20	2	2	255	21	6 (8), 12 (8), 14 (8), 16, 17 (3), 18 (3)
21	1	1	1		8 (120), 15 (136), 19 (136), 20 (255)

TABLE 1. Subgroup lattice of $L_2(16)$

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