

# Kernel driver w83795

Supported chips:

- Winbond/Nuvoton W83795G  
Prefix: 'w83795g'  
Addresses scanned: I2C 0x2c - 0x2f  
Datasheet: Available for download on [nuvoton.com](http://nuvoton.com)
- Winbond/Nuvoton W83795ADG  
Prefix: 'w83795adg'  
Addresses scanned: I2C 0x2c - 0x2f  
Datasheet: Available for download on [nuvoton.com](http://nuvoton.com)

Authors:

- Wei Song (Nuvoton)
- Jean Delvare <[jdelvare@suse.de](mailto:jdelvare@suse.de)>

## Pin mapping

Here is a summary of the pin mapping for the W83795G and W83795ADG. This can be useful to convert data provided by board manufacturers into working libensors configuration statements.

- W83795G

Pin	Name	Register	Sysfs attribute
13	VSEN1 (VCORE1)	10h	in0
14	VSEN2 (VCORE2)	11h	in1
15	VSEN3 (VCORE3)	12h	in2
16	VSEN4	13h	in3
17	VSEN5	14h	in4
18	VSEN6	15h	in5
19	VSEN7	16h	in6
20	VSEN8	17h	in7
21	VSEN9	18h	in8
22	VSEN10	19h	in9
23	VSEN11	1Ah	in10
28	VTT	1Bh	in11
24	3VDD	1Ch	in12
25	3VSB	1Dh	in13
26	VBAT	1Eh	in14
3	VSEN12/TR5	1Fh	in15/temp5
4	VSEN13/TR5	20h	in16/temp6
5/ 6	VDSSEN14/TR1/TD1	21h	in17/temp1
7/ 8	VDSSEN15/TR2/TD2	22h	in18/temp2
9/ 10	VDSSEN16/TR3/TD3	23h	in19/temp3
11/ 12	VDSSEN17/TR4/TD4	24h	in20/temp4
40	FANIN1	2Eh	fan1
42	FANIN2	2Fh	fan2
44	FANIN3	30h	fan3
46	FANIN4	31h	fan4
48	FANIN5	32h	fan5
50	FANIN6	33h	fan6
52	FANIN7	34h	fan7
54	FANIN8	35h	fan8
57	FANIN9	36h	fan9
58	FANIN10	37h	fan10
59	FANIN11	38h	fan11
60	FANIN12	39h	fan12
31	FANIN13	3Ah	fan13
35	FANIN14	3Bh	fan14

Pin	Name	Register	Sysfs attribute
41	FANCTL1	10h (bank 2)	pwm1
43	FANCTL2	11h (bank 2)	pwm2
45	FANCTL3	12h (bank 2)	pwm3
47	FANCTL4	13h (bank 2)	pwm4
49	FANCTL5	14h (bank 2)	pwm5
51	FANCTL6	15h (bank 2)	pwm6
53	FANCTL7	16h (bank 2)	pwm7
55	FANCTL8	17h (bank 2)	pwm8
29/ 30	PECI/TSI (DTS1)	26h	temp7
29/ 30	PECI/TSI (DTS2)	27h	temp8
29/ 30	PECI/TSI (DTS3)	28h	temp9
29/ 30	PECI/TSI (DTS4)	29h	temp10
29/ 30	PECI/TSI (DTS5)	2Ah	temp11
29/ 30	PECI/TSI (DTS6)	2Bh	temp12
29/ 30	PECI/TSI (DTS7)	2Ch	temp13
29/ 30	PECI/TSI (DTS8)	2Dh	temp14
27	CASEOPEN#	46h	intrusion0

- W83795ADG

Pin	Name	Register	Sysfs attribute
10	VSEN1 (VCORE1)	10h	in0
11	VSEN2 (VCORE2)	11h	in1
12	VSEN3 (VCORE3)	12h	in2
13	VSEN4	13h	in3
14	VSEN5	14h	in4
15	VSEN6	15h	in5
16	VSEN7	16h	in6
17	VSEN8	17h	in7
22	VTT	1Bh	in11
18	3VDD	1Ch	in12
19	3VSB	1Dh	in13
20	VBAT	1Eh	in14
48	VSEN12/TR5	1Fh	in15/temp5
1	VSEN13/TR5	20h	in16/temp6
2/ 3	VDSSEN14/TR1/TD1	21h	in17/temp1
4/ 5	VDSSEN15/TR2/TD2	22h	in18/temp2
6/ 7	VDSSEN16/TR3/TD3	23h	in19/temp3
8/ 9	VDSSEN17/TR4/TD4	24h	in20/temp4
32	FANIN1	2Eh	fan1
34	FANIN2	2Fh	fan2
36	FANIN3	30h	fan3
37	FANIN4	31h	fan4
38	FANIN5	32h	fan5
39	FANIN6	33h	fan6
40	FANIN7	34h	fan7
41	FANIN8	35h	fan8
43	FANIN9	36h	fan9
44	FANIN10	37h	fan10
45	FANIN11	38h	fan11
46	FANIN12	39h	fan12
24	FANIN13	3Ah	fan13
28	FANIN14	3Bh	fan14
33	FANCTL1	10h (bank 2)	pwm1
35	FANCTL2	11h (bank 2)	pwm2
23	PECI (DTS1)	26h	temp7
23	PECI (DTS2)	27h	temp8
23	PECI (DTS3)	28h	temp9
23	PECI (DTS4)	29h	temp10
23	PECI (DTS5)	2Ah	temp11
23	PECI (DTS6)	2Bh	temp12

Pin	Name	Register	Sysfs attribute
23	PECI (DTS7)	2Ch	temp13
23	PECI (DTS8)	2Dh	temp14
21	CASEOPEN#	46h	intrusion0