

MODBUS TCP SLAVE REGISTER MAP

sl no	Parameter name suggested	register address	register number	registers in hex	for modscan	no of req registers	Function code	Representation	Info
1	System uptime	1	2	1	2	2	3	32 bit integer	
2	Device time	3	4	3	4	4	3	text	
3	RAM size (in KB)	7	8	7	8	2	3	32 bit integer	
4	RAM used (in KB)	9	10	9	A	2	3	32 bit integer	in MB(numbers will be more thats why in MB)
5	RAM Free (in KB)	11	12	B	C	2	3	32 bit integer	
6	loop back IP address	13	14	D	E	8	3	text	
7	eth0 ipaddress	21	22	15	16	8	3	text	
8	Eth0.1 ipaddress	29	30	1D	1E	8	3	text	
9	eth1 ipaddress	37	38	25	26	8	3	text	
10	eth2 ipaddress	45	46	2D	2E	8	3	text	
11	eth3 ipaddress	53	54	35	36	8	3	text	
12	eth4 ipaddress	61	62	3D	3E	8	3	text	
13	Access Point IP address/rao	69	70	45	46	8	3	text	
14	br0 ipaddress	77	78	4D	4E	8	3	text	
15	Spare for future	85	86	55	56	8	3	text	
16	Cellular uptime Active SIM	93	94	5D	5E	8	3	text	
17	tunnel/nms status	101	102	65	66	2	3	integer	
18	Wifi-AP status	103	104	67	68	2	3	integer	
19	Active Modem Number	105	106	69	6A	1	3	text	
20	LTE Modem Model	106	107	6A	6B	16	3	text	
21	IMEI Modem 1	122	123	7A	7B	16	3	text	
22	IMEI Modem 2 (Future)	138	139	8A	8B	16	3	text	
23	LTE Modem Manufacturer	154	155	9A	9B	16	3	text	
24	Modem IMSI	170	171	AA	AB	16	3	text	
25	Active SIM number	186	187	BA	BB	16	3	text	
26	Internet connectivity Status (Active SIM)	202	203	CA	CB	16	3	text	
27	Signal Strength (Active SIM)	218	219	DA	DB	16	3	text	
28	ISP Name (Active SIM)	234	235	EA	EB	16	3	text	
29	MCC/MNC (Active SIM)	250	251	FA	FB	16	3	text	
30	CellID (Active SIM)	266	267	10A	10B	16	3	text	
31	Data sent from 12 am to 11.59 pm (Active SIM)	282	283	11A	11B	16	3	text	
32	Data Received from 12 am to 11.59 pm (Active SIM)	298	299	12A	12B	16	3	text	
33	Total data sent (Active SIM)	314	315	13A	13B	16	3	text	
34	Total data Received (Active SIM)	330	331	14A	14B	16	3	text	
35	Active SIM registration Status	346	347	15A	15B	16	3	text	
36	Active SIM connectivity type (4G / 3G /2G)	362	363	16A	16B	16	3	text	
37	Active SIM SINR	378	379	17A	17B	16	3	text	
38	Active SIM RSRP	394	395	18A	18B	16	3	text	
39	Active RSRQ	410	411	19A	19B	16	3	text	
40	Active SIM WAN IP	426	427	1AA	1AB	16	3	text	
41	Active SIM QCCID	442	443	1BA	1BB	16	3	text	
42	Wi-Fi WAN MAC	458	459	1CA	1CB	16	3	text	
43	WAN MAC	474	475	1DA	1DB	16	3	text	
44	LAN MAC	490	491	1EA	1EB	16	3	text	
45	SET DI/0 1 as DI or DO	700	701	2BC	2BD	Write data 1/0	5	bit	0=in /1=out
46	SET DI/0 2 as DI or DO	701	702	2BD	2BE	Write data 1/0	5	bit	0=in /1=out
47	SET DI/0 3 as DI or DO	702	703	2BE	2BF	Write data 1/0	5	bit	0=in /1=out
48	SET DI/0 4 as DI or DO	703	704	2BF	2C0	Write data 1/0	5	bit	0=in /1=out
49	Future	704	705	2C0	2C1	Write data 1/0	5	bit	0=in /1=out
50	Future	705	706	2C1	2C2	Write data 1/0	5	bit	0=in /1=out
51	Future	706	707	2C2	2C3	Write data 1/0	5	bit	0=in /1=out
52	Future	707	708	2C3	2C4	Write data 1/0	5	bit	0=in /1=out
53	Read DI1	708	709	2C4	2C5	1	1	bit	
54	Read DI2	709	710	2C5	2C6	1	1	bit	
55	Read DI3	710	711	2C6	2C7	1	1	bit	
56	Read DI4	711	712	2C7	2C8	1	1	bit	
57	Future	712	713	2C8	2C9	1	1	bit	
58	Future	713	714	2C9	2CA	1	1	bit	
59	Future	714	715	2CA	2CB	1	1	bit	
60	Future	715	716	2CB	2CC	1	1	bit	
61	Write to DO1	716	717	2CC	2CD	Write data 1/0	5	bit	0= LOW /1=HIGH
62	Write to DO2	717	718	2CD	2CE	Write data 1/0	5	bit	0= LOW /1=HIGH
63	Write to DO3	718	719	2CE	2CF	Write data 1/0	5	bit	0= LOW /1=HIGH
64	Write to DO4	719	720	2CF	2D0	Write data 1/0	5	bit	0= LOW /1=HIGH
65	Future	720	721	2D0	2D1	Write data 1/0	5	bit	0= LOW /1=HIGH
66	Future	721	722	2D1	2D2	Write data 1/0	5	bit	0= LOW /1=HIGH
67	Future	722	723	2D2	2D3	Write data 1/0	5	bit	0= LOW /1=HIGH
68	Future	723	724	2D3	2D4	Write data 1/0	5	bit	0= LOW /1=HIGH
69	Read DO1	716	717	2CC	2CD	1	1	bit	
70	Read DO2	717	718	2CD	2CE	1	1	bit	
71	Read DO3	718	719	2CE	2CF	1	1	bit	
72	Read DO4	719	720	2CF	2D0	1	1	bit	
73	Future	720	721	2D0	2D1	1	1	bit	
74	Future	721	722	2D1	2D2	1	1	bit	
75	Future	722	723	2D2	2D3	1	1	bit	
76	Future	723	724	2D3	2D4	1	1	bit	
77	Read Analog Current mA (AI1)	725	726	2D5	2D6	2	3	floating point	
78	Read Analog Current mA (AI2)	727	728	2D7	2D8	2	3	floating point	
79	Read Analog Current mA (AI3)	729	730	2D9	2DA	2	3	floating point	
80	Read Analog Current mA (AI4)	731	732	2DB	2DC	2	3	floating point	
81	Future	733	734	2DD	2DE	2	3	floating point	
82	Future	735	736	2DF	2E0	2	3	floating point	
83	Future	737	738	2E1	2E2	2	3	floating point	
84	Future	739	740	2E3	2E4	2	3	floating point	
85	1 Wire output	741	742	2E5	2E6	2	3	floating point	