

Available Registers

Read/Write Access Table

Included below is a table which details the location and function of the CM1 Modbus registers.
The addresses included below are referenced to the Modbus data model (PLC address for read/write to holding registers)

Click on a link below to jump to the associated registers

- 1. [Motor Information Registers](#)
- 2. [Variables](#)
- 3. [Direct Registers](#)
- 4. [IO](#)
- 5. [CML Port](#)
- 6. [Positions](#)
- 7. [R Registers](#)
- 8. [N Registers](#)
- 9. [Speeds](#)
- 10. [Accelerations](#)
- 11. [Torque](#)
- 12. [K Parameters](#)
- 13. [H Gain Parameters](#)
- 14. [Timers](#)

Holding Register Address	Motor Parameter	Read Access	Write Access
40001	Position Error (?95)	Yes	No
40003	Motor Position (?96)	Yes	No
40005	Motor Speed (?97)	Yes	No
40007	Motor Torque (?98)	Yes	No
40009	Motor Status (?99)	Yes	No
40011	V0	Yes	Yes
40013	V1	Yes	Yes
40015	V2	Yes	Yes
40017	V3	Yes	Yes
40019	V4	Yes	Yes
40021	V5	Yes	Yes
40023	V6	Yes	Yes
40025	V7	Yes	Yes
40027	V8	Yes	Yes
40029	V9	Yes	Yes
40031	V10	Yes	Yes
40033	V11	Yes	Yes
40035	V12	Yes	Yes
40037	V13	Yes	Yes
40039	V14	Yes	Yes
40041	V15	Yes	Yes
40043	P0	Yes	Yes
40045	S0	Yes	Yes
40047	A0	Yes	Yes
40049	V0	Yes	Yes
40051	R0	Yes	Yes
40053	M0	Yes	Yes

40055	Analog Output	Yes	Yes
40057	Input Status (?70)	Yes	No
40059	Output Status (?50)	Yes	Yes
40103	CML Port [ASCII]	No	Yes
40201	P0	Yes	Yes
40203	P1	Yes	Yes
40205	P2	Yes	Yes
40207	P3	Yes	Yes
40209	P4	Yes	Yes
40211	P5	Yes	Yes
40213	P6	Yes	Yes
40215	P7	Yes	Yes
40217	P8	Yes	Yes
40219	P9	Yes	Yes
40221	P10	Yes	Yes
40223	P11	Yes	Yes
40225	P12	Yes	Yes
40227	P13	Yes	Yes
40229	P14	Yes	Yes
40231	P15	Yes	Yes
40233	P16	Yes	Yes
40235	P17	Yes	Yes
40237	P18	Yes	Yes
40239	P19	Yes	Yes
40241	P20	Yes	Yes
40243	P21	Yes	Yes
40245	P22	Yes	Yes
40247	P23	Yes	Yes
40249	P24	Yes	Yes
40251	P25	Yes	Yes
40301	R0	Yes	Yes
40303	R1	Yes	Yes
40305	R2	Yes	Yes
40307	R3	Yes	Yes
40309	R4	Yes	Yes
40311	R5	Yes	Yes
40313	R6	Yes	Yes
40315	R7	Yes	Yes
40317	P8	Yes	Yes
40319	P9	Yes	Yes
40321	R10	Yes	Yes
40323	R11	Yes	Yes
40325	R12	Yes	Yes

40327	R13	Yes	Yes
40329	R14	Yes	Yes
40331	R15	Yes	Yes
40333	R16	Yes	Yes
40335	R17	Yes	Yes
40337	R18	Yes	Yes
40339	R19	Yes	Yes
40341	R20	Yes	Yes
40343	R21	Yes	Yes
40345	R22	Yes	Yes
40347	R23	Yes	Yes
40349	R24	Yes	Yes
40351	R25	Yes	Yes
40401	N0	Yes	Yes
40403	N1	Yes	Yes
40405	N2	Yes	Yes
40407	N3	Yes	Yes
40409	N4	Yes	Yes
40411	N5	Yes	Yes
40413	N6	Yes	Yes
40415	N7	Yes	Yes
40417	N8	Yes	Yes
40419	N9	Yes	Yes
40421	N10	Yes	Yes
40423	N11	Yes	Yes
40425	N12	Yes	Yes
40427	N13	Yes	Yes
40429	N14	Yes	Yes
40431	N15	Yes	Yes
40433	N16	Yes	Yes
40435	N17	Yes	Yes
40437	N18	Yes	Yes
40439	N19	Yes	Yes
40441	N20	Yes	Yes
40443	N21	Yes	Yes
40445	N22	Yes	Yes
40447	N23	Yes	Yes
40449	N24	Yes	Yes
40451	N25	Yes	Yes
40603	S0	Yes	Yes
40605	S1	Yes	Yes
40607	S2	Yes	Yes
40609	S3	Yes	Yes
40611	S4	Yes	Yes
40613	S5	Yes	Yes

40615	S6	Yes	Yes
40617	S7	Yes	Yes
40619	S8	Yes	Yes
40621	S9	Yes	Yes
40623	S10	Yes	Yes
40625	S11	Yes	Yes
40627	S12	Yes	Yes
40629	S13	Yes	Yes
40631	S14	Yes	Yes
40633	S15	Yes	Yes
40635	A0	Yes	Yes
40637	A1	Yes	Yes
40639	A2	Yes	Yes
40641	A3	Yes	Yes
40643	A4	Yes	Yes
40645	A5	Yes	Yes
40647	A6	Yes	Yes
40649	A7	Yes	Yes
40651	A8	Yes	Yes
40653	M0	Yes	Yes
40655	M1	Yes	Yes
40657	M2	Yes	Yes
40659	M3	Yes	Yes
40661	M4	Yes	Yes
40663	M5	Yes	Yes
40665	M6	Yes	Yes
40667	M7	Yes	Yes
40669	M8	Yes	Yes
40671	K0	Yes	Yes
40673	K1	Yes	Yes
40675	K2	Yes	Yes
40677	K3	Yes	Yes
40679	K4	Yes	Yes
40681	K5	Yes	Yes
40683	K6	Yes	Yes
40685	K7	Yes	Yes
40687	K8	Yes	Yes
40689	K9	Yes	Yes
40691	K10	Yes	Yes
40693	K11	Yes	Yes
40695	K12	Yes	Yes
40697	K13	Yes	Yes
40699	K14	Yes	Yes
40701	K15	Yes	Yes

40703	K16	Yes	Yes
40705	K17	Yes	Yes
40707	K18	Yes	Yes
40709	K19	Yes	Yes
40711	K20	Yes	Yes
40713	K21	Yes	Yes
40715	K22	Yes	Yes
40717	K23	Yes	Yes
40719	K24	Yes	Yes
40721	K25	Yes	Yes
40723	K26	Yes	Yes
40725	K27	Yes	Yes
40727	K28	Yes	Yes
40729	K29	Yes	Yes
40731	K30	Yes	Yes
40733	K31	Yes	Yes
40735	K32	Yes	Yes
40737	K33	Yes	Yes
40739	K34	Yes	Yes
40741	K35	Yes	Yes
40743	K36	Yes	Yes
40745	K37	Yes	Yes
40747	K38	Yes	Yes
40749	K39	Yes	Yes
40751	K40	Yes	Yes
40753	K41	Yes	Yes
40755	K42	Yes	Yes
40757	K43	Yes	Yes
40759	K44	Yes	Yes
40761	K45	Yes	Yes
40763	K46	Yes	Yes
40765	K47	Yes	Yes
40767	K48	Yes	Yes
40769	K49	Yes	Yes
40771	K50	Yes	Yes
40773	K51	Yes	Yes
40775	K52	Yes	Yes
40777	K53	Yes	Yes
40779	K54	Yes	Yes
40781	K55	Yes	Yes
40783	K56	Yes	Yes
40785	K57	Yes	Yes
40787	K58	Yes	Yes
40789	K59	Yes	Yes
40791	K60	Yes	Yes
40793	K61	Yes	Yes
40795	K62	Yes	Yes

40797	K63	Yes	Yes
40799	K64	Yes	Yes
40801	K65	Yes	Yes
40803	K66	Yes	Yes
40805	K67	Yes	Yes
40807	K68	Yes	Yes
40809	K69	Yes	Yes
40811	K70	Yes	Yes
40813	K71	Yes	Yes
40815	K72	Yes	Yes
40817	K73	Yes	Yes
40819	K74	Yes	Yes
40821	K75	Yes	Yes
40823	K76	Yes	Yes
40825	K77	Yes	Yes
40827	K78	Yes	Yes
40829	K79	Yes	Yes
40831	K80	Yes	Yes
40833	K81	Yes	Yes
40835	K82	Yes	Yes
40837	K83	Yes	Yes
40839	K84	Yes	Yes
40841	K85	Yes	Yes
40843	K86	Yes	Yes
40845	K87	Yes	Yes
40847	K88	Yes	Yes
40849	K89	Yes	Yes
40875	RESERVED	Yes	Yes
40901	H0	Yes	Yes
40903	H1	Yes	Yes
40905	H2	Yes	Yes
40907	H3	Yes	Yes
40909	H4	Yes	Yes
40911	H5	Yes	Yes
40913	H6	Yes	Yes
40915	H7	Yes	Yes
40951	T0	Yes	No
40953	T1	Yes	Yes
40955	T2	Yes	Yes
40957	T3	Yes	Yes
40959	T4	Yes	Yes
40961	T5	Yes	Yes
40963	T6	Yes	Yes
40965	T7	Yes	Yes

40967	T8	Yes	Yes
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