

Teltonika Networking Devices Modbus Registers

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RUT230 / RUT240

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
5	6	2	Temperature	Yes	No	INT32BE	°C * 10
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	Always returns "SIM1"
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
135	136	2	MDR1 this day	Yes	No	UINT32BE	Bytes
137	138	2	MDS1 this day	Yes	No	UINT32BE	Bytes
139	140	2	WAN IP	Yes	No	UINT8	-
141	142	2	MDR1 this week	Yes	No	UINT32BE	Bytes
143	144	2	MDS1 this week	Yes	No	UINT32BE	Bytes
145	146	2	MDR1 this month	Yes	No	UINT32BE	Bytes
147	148	2	MDS1 this month	Yes	No	UINT32BE	Bytes
149	150	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
151	152	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
153	154	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes

155	156	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
157	158	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
159	160	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
203	204	1	WiFi	No	Yes	UINT16BE	0/1
204	205	1	MD	No	Yes	UINT16BE	0/1
205	206	1	Active SIM card	Yes	No	UINT16BE	Always returns 1
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
324	325	1	PIN3	Yes	No	UINT16BE	SOME DON'T HAVE IT
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1; SOME DON'T HAVE IT
348	349	16	IMSI	Yes	No	String	-

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TRB140

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
141	142	2	ANALOG	Yes	No	UINT32BE	-
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes
187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes
189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
204	205	1	MD	No	Yes	UINT16BE	0/1

205	206	1	Active SIM card	Yes	No	UINT16BE	-
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	Yes	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
326	327	1	PIN3 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
327	328	1	PIN4 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
348	349	16	IMSI	Yes	No	String	-

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TRB141

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
141	142	2	ANALOG	Yes	No	UINT32BE	ActualValue=Value/1000
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes
187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes
189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
204	205	1	MD	No	Yes	UINT16BE	0/1

205	206	1	Active SIM card	Yes	No	UINT16BE	-
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	Yes	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
326	327	1	PIN3 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
327	328	1	PIN4 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
337	338	1	relay0	Yes	Yes	UINT16BE	0/1
338	339	1	relay1	Yes	Yes	UINT16BE	0/1
339	340	1	iiio	Yes	No	UINT16BE	0/1
340	341	1	onewire	Yes	No	UINT16BE	0/1
341	342	1	dwi0	Yes	No	UINT16BE	0/1
342	343	1	dwi1	Yes	No	UINT16BE	0/1
343	344	1	dwi0 dryness	Yes	Yes	UINT16BE	0 (dry) / 1 (wet)
344	345	1	dwi1 dryness	Yes	Yes	UINT16BE	0 (dry) / 1 (wet)
345	346	1	acl activity	Yes	Yes	UINT16BE	0/1
346	347	2	acl	Yes	Yes	F32BE	0/1
348	349	16	IMSI	Yes	No	String	-

TRB142 / TRB145

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes
187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes
189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
204	205	1	MD	No	Yes	UINT16BE	0/1
205	206	1	Active SIM card	Yes	No	UINT16BE	-
206	207	1	Reboot	No	Yes	UINT16BE	1

207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	Yes	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
326	327	1	PIN3 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
327	328	1	PIN4 direction	Yes	Yes	UINT16BE	0 (input) / 1 (output)
348	349	16	IMSI	Yes	No	String	-

TRB245 / TRB255

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
5	6	2	Temperature	Yes	No	INT32BE	°C * 10
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
141	142	2	ANALOG	Yes	No	UINT32BE	ActualValue=Value/1000
143	144	2	GPS latitude	Yes	No	F32BE	-
145	146	2	GPS longitude	Yes	No	F32BE	-
147	148	16	GPS fixed time	Yes	No	String	-
163	164	16	GPS datetime	Yes	No	String	-
179	180	2	GPS speed	Yes	No	F32BE	-
181	182	2	GPS sat count	Yes	No	UINT32BE	-
183	184	2	GPS accuracy	Yes	No	F32BE	-
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes

187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes
189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
203	204	1	WiFi	No	Yes	UINT16BE	0/1
204	205	1	MD	No	Yes	UINT16BE	0/1
205	206	1	Active SIM card	Yes	Yes	UINT16BE	0(change)/1(SIM1)/2(SIM2)
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
300	301	2	MDR2 this days	Yes	No	UINT32BE	Bytes
302	303	2	MDS2 this day	Yes	No	UINT32BE	Bytes
304	305	2	MDR2 this week	Yes	No	UINT32BE	Bytes
306	307	2	MDS2 this week	Yes	No	UINT32BE	Bytes
308	309	2	MDR2 this month	Yes	No	UINT32BE	Bytes
310	311	2	MDS2 this month	Yes	No	UINT32BE	Bytes

312	313	2	MDR2 last 24h	Yes	No	UINT32BE	Bytes
314	315	2	MDS2 last 24h	Yes	No	UINT32BE	Bytes
316	317	2	MDR2 last 7 days	Yes	No	UINT32BE	Bytes
318	319	2	MDS2 last 7 days	Yes	No	UINT32BE	Bytes
320	321	2	MDR2 last 30 days	Yes	No	UINT32BE	Bytes
322	323	2	MDS2 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	No	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
336	337	1	PIN2	Yes	Yes	UINT16BE	0/1
348	349	16	IMSI	Yes	No	String	-

RUTX08

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
7	8	16	Hostname	Yes	Yes	String	-
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
206	207	1	Reboot	No	Yes	UINT16BE	1
324	325	1	PIN3	Yes	No	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
328	329	8	Modem ID	Yes	Yes	String	See notes for Modem ID

RUTX09

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
5	6	2	Temperature	Yes	No	INT32BE	°C * 10
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
143	144	2	GPS latitude	Yes	No	F32BE	-
145	146	2	GPS longitude	Yes	No	F32BE	-
147	148	16	GPS fixed time	Yes	No	String	-
163	164	16	GPS datetime	Yes	No	String	-
179	180	2	GPS speed	Yes	No	F32BE	-
181	182	2	GPS sat count	Yes	No	UINT32BE	-
183	184	2	GPS accuracy	Yes	No	F32BE	-
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes
187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes

189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
204	205	1	MD	No	Yes	UINT16BE	0/1
205	206	1	Active SIM card	Yes	Yes/No	UINT16BE	0(change)/1(SIM1)/2(SIM2)
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
300	301	2	MDR2 this days	Yes	No	UINT32BE	Bytes
302	303	2	MDS2 this day	Yes	No	UINT32BE	Bytes
304	305	2	MDR2 this week	Yes	No	UINT32BE	Bytes
306	307	2	MDS2 this week	Yes	No	UINT32BE	Bytes
308	309	2	MDR2 this month	Yes	No	UINT32BE	Bytes
310	311	2	MDS2 this month	Yes	No	UINT32BE	Bytes
312	313	2	MDR2 last 24h	Yes	No	UINT32BE	Bytes
314	315	2	MDS2 last 24h	Yes	No	UINT32BE	Bytes

316	317	2	MDR2 last 7 days	Yes	No	UINT32BE	Bytes
318	319	2	MDS2 last 7 days	Yes	No	UINT32BE	Bytes
320	321	2	MDR2 last 30 days	Yes	No	UINT32BE	Bytes
322	323	2	MDS2 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	No	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
328	329	8	Modem ID	Yes	Yes	String	See notes for Modem ID
348	349	16	IMSI	Yes	No	String	-

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RUTX10

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
7	8	16	Hostname	Yes	Yes	String	-
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
203	204	1	WiFi	No	Yes	UINT16BE	0/1
206	207	1	Reboot	No	Yes	UINT16BE	1
324	325	1	PIN3	Yes	No	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
328	329	8	Modem ID	Yes	Yes	String	See notes for Modem ID

RUTX11

Address	Number	Count	Parameter	Read	Write	Data type	Notes
1	2	2	Uptime	Yes	No	UINT32BE	Seconds
3	4	2	Signal strength	Yes	No	INT32BE	dBm
5	6	2	Temperature	Yes	No	INT32BE	°C * 10
7	8	16	Hostname	Yes	Yes	String	-
23	24	16	Operator	Yes	No	String	For currently active SIM
39	40	16	Serial number	Yes	No	String	-
55	56	16	LAN MAC	Yes	No	String	-
71	72	16	Router name	Yes	Yes	String	-
87	88	16	Active SIM card	Yes	No	String	-
103	104	16	Network reg info	Yes	No	String	-
119	120	16	Network type	Yes	No	String	-
139	140	2	WAN IP	Yes	No	UINT8	-
143	144	2	GPS latitude	Yes	No	F32BE	-
145	146	2	GPS longitude	Yes	No	F32BE	-
147	148	16	GPS fixed time	Yes	No	String	-
163	164	16	GPS datetime	Yes	No	String	-
179	180	2	GPS speed	Yes	No	F32BE	-
181	182	2	GPS sat count	Yes	No	UINT32BE	-
183	184	2	GPS accuracy	Yes	No	F32BE	-
185	186	2	MDR1 this days	Yes	No	UINT32BE	Bytes
187	188	2	MDS1 this day	Yes	No	UINT32BE	Bytes

189	190	2	MDR1 this week	Yes	No	UINT32BE	Bytes
191	192	2	MDS1 this week	Yes	No	UINT32BE	Bytes
193	194	2	MDR1 this month	Yes	No	UINT32BE	Bytes
195	196	2	MDS1 this month	Yes	No	UINT32BE	Bytes
197	198	2	MDR1 last 24h	Yes	No	UINT32BE	Bytes
199	200	2	MDS1 last 24h	Yes	No	UINT32BE	Bytes
203	204	1	WiFi	No	Yes	UINT16BE	0/1
204	205	1	MD	No	Yes	UINT16BE	0/1
205	206	1	Active SIM card	Yes	Yes/No	UINT16BE	0(change)/1(SIM1)/2(SIM2)
206	207	1	Reboot	No	Yes	UINT16BE	1
207	208	85	APN	No	Yes	String	See notes for APN
292	293	2	MDR1 last 7 days	Yes	No	UINT32BE	Bytes
294	295	2	MDS1 last 7 days	Yes	No	UINT32BE	Bytes
296	297	2	MDR1 last 30 days	Yes	No	UINT32BE	Bytes
298	299	2	MDS1 last 30 days	Yes	No	UINT32BE	Bytes
300	301	2	MDR2 this days	Yes	No	UINT32BE	Bytes
302	303	2	MDS2 this day	Yes	No	UINT32BE	Bytes
304	305	2	MDR2 this week	Yes	No	UINT32BE	Bytes
306	307	2	MDS2 this week	Yes	No	UINT32BE	Bytes
308	309	2	MDR2 this month	Yes	No	UINT32BE	Bytes
310	311	2	MDS2 this month	Yes	No	UINT32BE	Bytes
312	313	2	MDR2 last 24h	Yes	No	UINT32BE	Bytes

314	315	2	MDS2 last 24h	Yes	No	UINT32BE	Bytes
316	317	2	MDR2 last 7 days	Yes	No	UINT32BE	Bytes
318	319	2	MDS2 last 7 days	Yes	No	UINT32BE	Bytes
320	321	2	MDR2 last 30 days	Yes	No	UINT32BE	Bytes
322	323	2	MDS2 last 30 days	Yes	No	UINT32BE	Bytes
324	325	1	PIN3	Yes	No	UINT16BE	0/1
325	326	1	PIN4	Yes	Yes	UINT16BE	0/1
328	329	8	Modem ID	Yes	Yes	String	See notes for Modem ID
348	349	16	IMSI	Yes	No	String	-

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