

Template:Networking rutos manual modbus modbus tcp get parameters table rut2 rut9

Get Parameters

Modbus parameters are held within **registers**. Each register contains 2 bytes of information. For simplification, the number of registers for storing numbers is 2 (4 bytes), while the number of registers for storing text information is 16 (32 bytes).

The register numbers and corresponding system values are described in the table below:

	required value	register address	register number	number of registers	representation
System uptime		1	2	2	32 bit unsigned integer
System hostname		7	8	16	Text
Router serial number		39	40	16	Text
LAN MAC address		55	56	16	Text
Router name		71	72	16	Text
Current WAN IP address		139	140	2	8 bit unsigned integer
Digital non-isolated input		324	325	1	16 bit unsigned integer
Digital open collector output		325	326	1	16 bit unsigned integer
PIN 3 direction		326	327	1	16 bit unsigned integer
PIN 4 direction		327	328	1	16 bit unsigned integer
Unix timestamp		364	365	2	32 bit unsigned integer
Local ISO time		366	367	12	Text
UTC time		378	389	12	Text
LAN IP		394	395	2	8 bit unsigned integer