

Modbus Monitoring

The ESTeem Edge 900 supports Modbus/TCP protocol for access to multiple operating parameters in the wireless modem and RF network health status. Uptime, rf noise floor and receive signal strength (rssi) are a few of the registers available through the open Modbus/TCP protocol. This data can be obtained by polling the registers directly or using available utilities.

The following are the Modbus registers supported in the ESTeem Edge 900 on Port 502. Registers are mapped as 32-bit floating point numbers (2 registers each):

Edge 900 Information

Function	Register	
3	1010	Aux Voltage
3	1012	Instantaneous RSSI
3	1014	uptime seconds
3	1016	rx bytes
3	1018	tx bytes
3	1020	rx short_packets (management/sync frames)
3	1022	rx long packets (data)
3	1024	tx_packets (all types)
3	1028	crc32 errors (rx errors, FEC may or may not have corrected)
3	1032	rssi_avg_noise_floor (average rx signal since power up dBm)
3	1034	latest_rssi (last valid packet rssi dBm)
3	1036	eth link up Ethernet link status
3	1038	serial_number