

Modbus Cheat Sheet

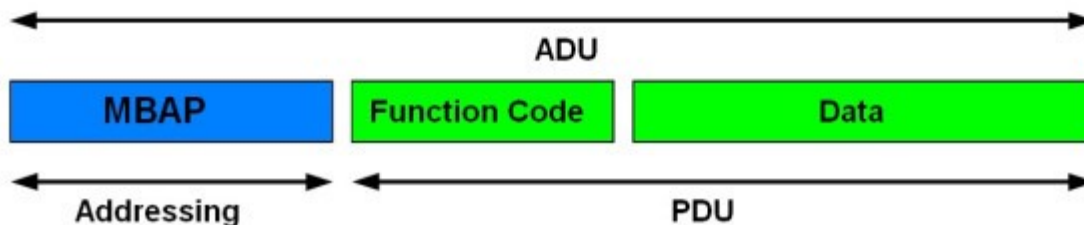
General MODBUS Frame



MODBUS/RTU Serial Frame



MODBUS/TCP Frame



MODBUS PROTOCOL



ALL DOCUMENTED MODBUS FUNCTION CODES (FROM WIKIPEDIA)

<http://en.wikipedia.org/wiki/Modbus>

Function type		Function name	Function code
Data Access	Bit access	Physical Discrete Inputs	Read Discrete Inputs 2
			Read Coils 1
		Internal Bits or Physical Coils	Write Single Coil 5
			Write Multiple Coils 15
	16-bit access	Physical Input Registers	Read Input Registers 4
		Internal Registers or Physical Output Registers	Read Holding Registers 3
			Write Single Register 6
		Internal Registers or Physical Output Registers	Write Multiple Registers 16
			Read/Write Multiple Registers 23
			Mask Write Register 22
			Read FIFO Queue 24
		Read File Record	20
		Write File Record	21
	File Record Access	Read Exception Status	7
		Diagnostics	8
Diagnostics		Get Com Event Counter	11
		Get Com Event Log	12
		Report Slave ID	17
		Read Device Identification	43
Other		Encapsulated Interface Transport	43

RTAC Supported Function Codes

Operation	Function Code
Read Coil	01h
Read Discrete Input	02h
Read Holding Register	03h
Read Input Register	04h
Write Single Coil	05h
Write Single Holding Register	06h
Write Multiple Coils	0Fh
Write Multiple Holding Register	10h
Report Client/Server ID	11h