

Modbus RTU TCP/IP

MT500 must have Ethernet port, Modbus RTU TCP/IP device.

<http://www.modbus.org>

HMI Setting:

Parameters	Recommend	Option	Notes
PLC type	MODBUS RTU TCP/IP		
Com port	Ethernet		
HMI Station No.	0	Does not apply	
PLC Station No.	0	Does not apply	
Multiple HMI	Master		Must set Master

PLC Setting:

Communication mode	

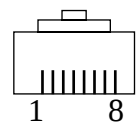
Device address:

Bit/Word	Device Type	Format	Range	Memo
B	1x	ddd	1-9999	Output bit
B	0x	ddd	1-9999	Input bit
W	3x	ddd	1-9999	Input Register
W	4x	ddd	1-9999	Output Register

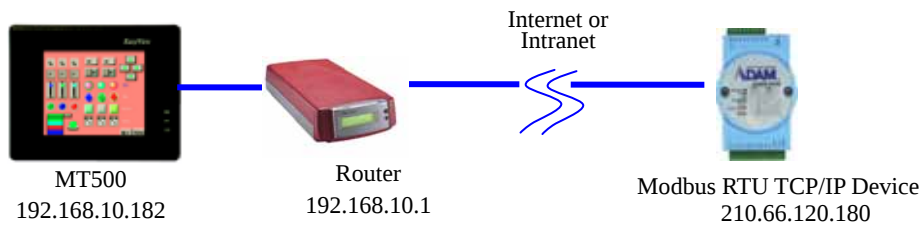
Wiring diagram:

Ethernet::

MT500 Ethernet RJ45			Wire color			Ethernet Hub or Switch RJ45		
1	TX+		White/Orange			1	RX+	
2	TX-		Orange			2	RX-	
3	RX+		White/Green			3	TX+	
4	BD4+		Blue			4	BD4+	
5	BD4-		White/Blue			5	BD4-	
6	RX-		Green			6	TX-	
7	BD3+		White/Brown			7	BD3+	
8	BD3-		Brown			8	BD3-	



RJ45 connector



Multiple HMI :	Master	HMI-HMI link speed :	115200
Connect I/F :	Ethernet		
Local IP address :	192	168	10 182
Server IP address :	210	66	120 180
Subnetwork Mask :	255	255	255 0
Default Route IP address :	192	168	10 1

Ethernet: Direct connect (crossover cable)

MT500 Ethernet RJ45			Wire color			Modbus TCP Device RJ45		
1	TX+		White/Orange			3	RX+	
2	TX-		Orange			6	RX-	
3	RX+		White/Green			1	TX+	
4	BD4+		Blue			4	BD4+	
5	BD4-		White/Blue			5	BD4-	
6	RX-		Green			2	TX-	
7	BD3+		White/Brown			7	BD3+	
8	BD3-		Brown			8	BD3-	



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