



GUIDE

MicroServer 0 MBT/MBT3 MS0-MBT/MBT3 2/22/2024

Table of Contents

1. ASSEMBLY

1.1 MS0-MBT

1.2 MS0-MBT3

1.3 POWER SUPPLIES

1.3.1 120VAC

2. LOW VOLTAGE CONNECTIONS

3. MODULE CONFIGURATION

3.1 MS0-MBT

3.1.1 Network Configuration

3.1.2 RS-485 Port Configuration

3.1.3 Expand Function

3.2 MS0-MBT3

3.2.1 Network Configuration

3.2.2 RS-232 Port Configuration

3.2.3 RS-485 Port Configuration

3

3

3

4

4

4

5

5

5

6

6

7

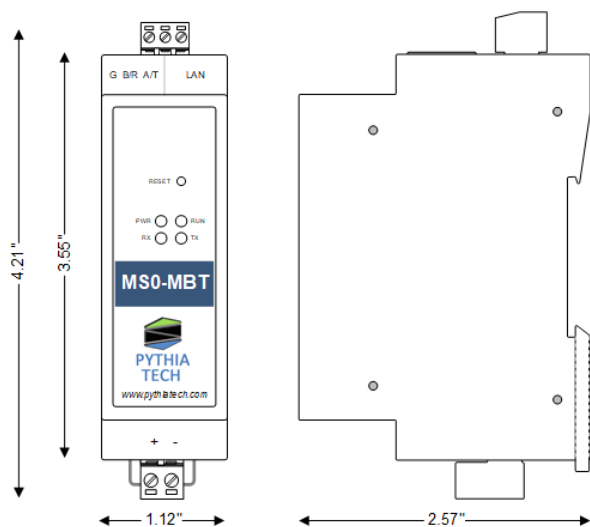
7

8

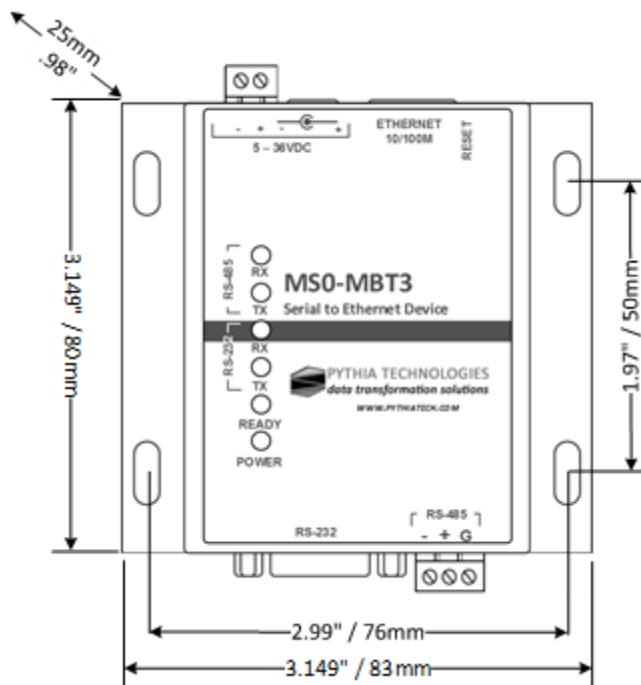
8

1. Assembly

1.1 MS0-MBT



1.2 MS0-MBT3



1.3 Power Supplies

1.3.1 120VAC

The 120VAC power supply is the Meanwell HDR-60-24. Refer to <https://www.meanwell.com/productPdf.aspx?i=753> for specifications.

2. Low Voltage Connections



3. Module Configuration

Connect to the module's web site. Default username/password: admin/admin. Username and Password can be changed on the "Misc Config" tab.

Current Status	<div>parameter</div> <div>Module Name: <input type="text" value="MS0-MBT"/></div> <div>Webserver Port: <input type="text" value="80"/></div> <div>Username: <input type="text" value="admin"/></div> <div>Password: <input type="text" value="admin"/></div> <div>Max Clients Connect To TCP Server: <input type="text" value="4"/> (1~8)</div> <div>Reset Timeout: <input type="text" value="3600"/> (s)(0,60~65535)</div> <div><input type="button" value="Save"/> <input type="button" value="Cancel"/></div>	
Local IP Config		
Serial Port		
Expand Function		
Misc Config		
Reboot		

3.1 MS0-MBT

Current Status	<div>Status</div> <div>Module Name: MS0-MBT</div> <div>Current IP Address: 192.168.0.7</div> <div>MAC Address: d4-ad-20-5e-05-c0</div> <div>TX Count/RX Count: 0/ 0 bytes</div> <div>Remote IP/TX/RX:</div>	
Local IP Config		
Serial Port		
Expand Function		
Misc Config		
Reboot		

3.1.1 Network Configuration

Current Status	<div>parameter</div> <div>IP type: <input type="text" value="Static IP"/></div> <div>DNS type: <input type="text" value="Manual"/></div> <div>Static IP: <input type="text" value="192"/> · <input type="text" value="168"/> · <input type="text" value="0"/> · <input type="text" value="7"/></div> <div>Submask: <input type="text" value="255"/> · <input type="text" value="255"/> · <input type="text" value="255"/> · <input type="text" value="0"/></div> <div>Gateway: <input type="text" value="192"/> · <input type="text" value="168"/> · <input type="text" value="0"/> · <input type="text" value="1"/></div> <div>DNS Server: <input type="text" value="8"/> · <input type="text" value="8"/> · <input type="text" value="8"/> · <input type="text" value="8"/></div> <div><input type="button" value="Save"/> <input type="button" value="Cancel"/></div>	
Local IP Config		
Serial Port		
Expand Function		
Misc Config		
Reboot		

3.1.2 RS-485 Port Configuration

Current Status	parameter
Local IP Config	Baud Rate: 19200 bps(600~460.8K)
Serial Port	Data Size: 8 bit
Expand Function	Parity: None
Misc Config	Stop Bits: 1 bit
Reboot	Local Port Number: 502 (1~65535)
	Remote Port Number: 8234 (1~65535)
	Work Mode: TCP Server
	Remote Server Addr: 192.168.0.201 [192.168.0.201]
	RESET: <input type="checkbox"/>
	LINK: <input checked="" type="checkbox"/>
	INDEX: <input type="checkbox"/>
	Similar RFC2217: <input checked="" type="checkbox"/>
	Save Cancel

3.1.3 Expand Function

For Modbus/TCP, ensure box is checked.

Current Status	parameter
Local IP Config	Heartbeat Packet Type: None ASCII
Serial Port	Register Packet Type: None
Expand Function	Impersistent Connection: <input type="checkbox"/>
Misc Config	TCP Server-kick off old connection: <input checked="" type="checkbox"/>
Reboot	Buffer Data Before Connected: <input type="checkbox"/>
	Modbus TCP: <input checked="" type="checkbox"/>
	Modbus Abnormal response: <input type="checkbox"/>
	Poll: <input type="checkbox"/>
	Save Cancel

3.2 MS0-MBT3

Current Status	parameter	
Local IP Config	Module Name: MS0-MBT3	<ul style="list-style-type: none">• Run time: Time since last reboot• TX/RX Count: Total number of bytes sent and received
RS232	Firmware Revision: 3016	
RS485	Current IP Address: 192.168.0.7	
Web to Serial	MAC Address: f4-70-0c-66-b3-59	
Misc Config	Run Time: 0day: 0hour: 0min	
Reboot	TX Count(ETH) : 0/0/0 bytes	
	RX Count(ETH) : 0/0/0 bytes	
	Conn Status(ETH)A: LISTEN/LISTEN/LISTEN	
	Conn Status(ETH)B: IDLE/IDLE/IDLE	

3.2.1 Network Configuration

Current Status	Parameter	
Local IP Config	IP Type: <input type="text" value="Static IP"/>	<ul style="list-style-type: none">• IP type: StaticIP or DHCP• StaticIP Module's static ip• Submask usually 255.255.255.0• Gateway Usually router's ip address
RS232	Static IP: <input type="text" value="192"/> · <input type="text" value="168"/> · <input type="text" value="0"/> · <input type="text" value="7"/>	
RS485	Submask: <input type="text" value="255"/> · <input type="text" value="255"/> · <input type="text" value="255"/> · <input type="text" value="0"/>	
Web to Serial	Gateway: <input type="text" value="192"/> · <input type="text" value="168"/> · <input type="text" value="0"/> · <input type="text" value="1"/>	
Misc Config	Dns Server: <input type="text" value="208"/> · <input type="text" value="67"/> · <input type="text" value="222"/> · <input type="text" value="222"/>	
Reboot	<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

3.2.2 RS-232 Port Configuration

Note: RS-232 port and RS-485 port cannot be configured to the same TCP/UDP port at the same time.

Current Status	Parameter		
Local IP Config	Baud Rate:	115200 bps(600~230400)bps	<ul style="list-style-type: none"> • Baud: From 600 to 230400bps(non-standard rates ok) • Local Port 1~65535. when TCP Client, set this to 0 means use random local port • Remote Port 1~65535 • Packet time/length default 0/0, means automatic packet mechanism; you can modify it as a none-zero value
RS232	Data Size:	8 bit	
RS485	Parity:	None	
Web to Serial	Stop Bits:	1 bit	
Misc Config	Flow Control:	NONE	
Reboot	UART Packet Time:	0 (0~255)ms	
	UART Packet Length:	0 (0~1460)chars	
	Sync Baudrate(RF2217 Similar):	<input checked="" type="checkbox"/>	
	Enable Uart Heartbeat Packet:	<input type="checkbox"/>	
	Socket A Parameters		
	Work Mode:	TCP Server None	
	TCP Server MAX Sockets:	8 Up to MAX KICK	
	Local/Remote Port Number:	23 23 (1~65535)	
	PRINT:	<input type="checkbox"/>	
	ModbusTCP Poll:	<input type="checkbox"/> Poll Timeout : 200 (200~9999) ms	
	Enable Net Heartbeat Packet:	<input type="checkbox"/>	
	Registry Type:	None Location Connect With	
	Socket B Parameters		
	Work Mode:	NONE	

3.2.3 RS-485 Port Configuration

Current Status	Parameter		
Local IP Config	Baud Rate:	19200 bps(600~230400)bps	<ul style="list-style-type: none"> • Baud: From 600 to 230400bps(non-standard rates ok) • Local Port 1~65535. when TCP Client, set this to 0 means use random local port • Remote Port 1~65535 • Packet time/length default 0/0, means automatic packet mechanism; you can modify it as a none-zero value
RS232	Data Size:	8 bit	
RS485	Parity:	None	
Web to Serial	Stop Bits:	1 bit	
Misc Config	Flow Control:	NONE	
Reboot	UART Packet Time:	0 (0~255)ms	
	UART Packet Length:	0 (0~1460)chars	
	Sync Baudrate(RF2217 Similar):	<input checked="" type="checkbox"/>	
	Enable Uart Heartbeat Packet:	<input type="checkbox"/>	
	Socket A Parameters		
	Work Mode:	TCP Server ModbusTCP	
	TCP Server MAX Sockets:	8 Up to MAX KICK	
	Local/Remote Port Number:	502 26 (1~65535)	
	PRINT:	<input type="checkbox"/>	
	ModbusTCP Poll:	<input type="checkbox"/> Poll Timeout : 200 (200~9999) ms	
	Enable Net Heartbeat Packet:	<input type="checkbox"/>	
	Registry Type:	None Location Connect With	
	Socket B Parameters		
	Work Mode:	NONE	