

Install and Operation Instructions MDNET Module

Ethernet to RS-232/RS-485 Converter
Auto-detecting 10/100Mbps Ethernet
Baud rate 4,800-115,200 bps



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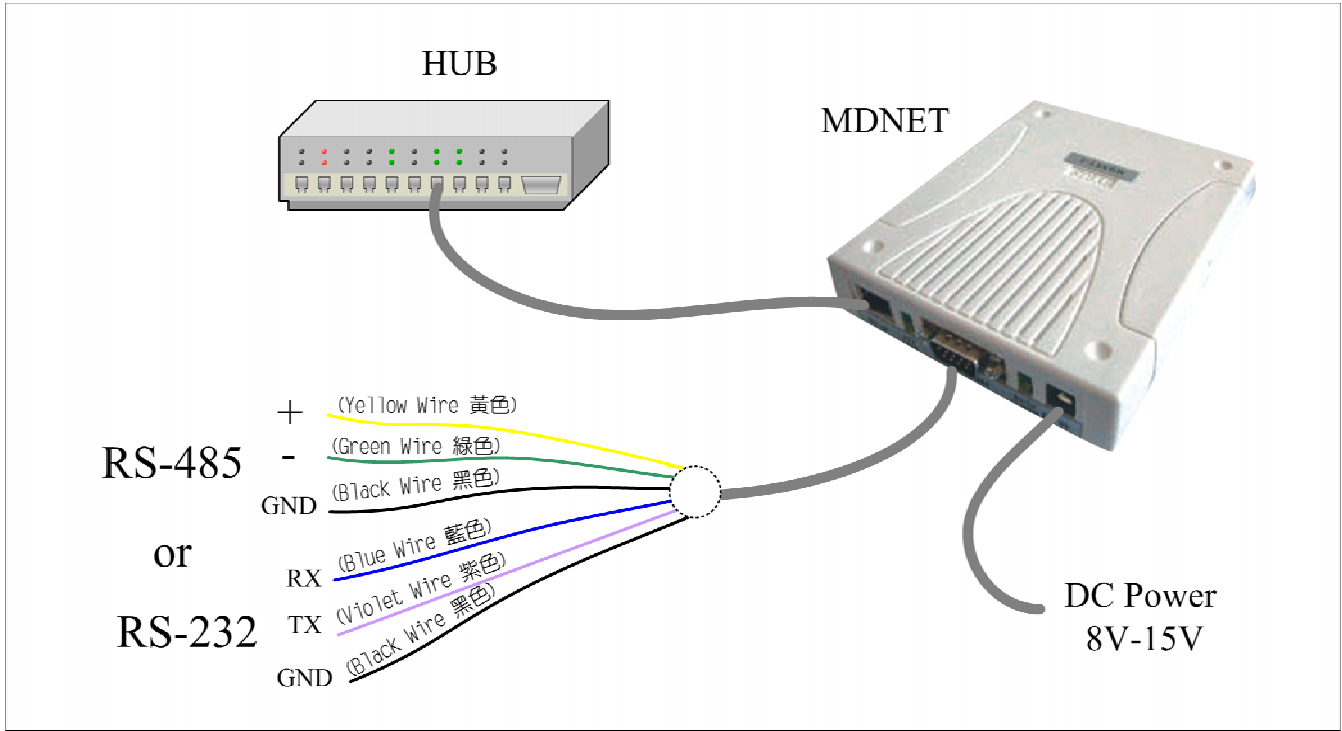
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MDNET WIRING DIAGRAM



DB9 Connect PIN define

PIN	Function	Note
1		No Connect
2	RS-232 RX	Blue
3	RS-232 TX	Violet
4	RS-232 DTR	Orange No Function
5	GND	Black
6	RS-232 DSR	Brown No Function
7	RS-485 +	Yellow
8	RS-485 -	Green
9	GND	Black

Set to Factory Default (SW1 Hold 5 Second)

IP = 192.168.1.101

Gateway = 192.168.1.254

Netmask = 255.255.255.0

IP = 192.168.1.101

Password = ` 1234 `

Baud Rate = 19200,E,8,1

ID = 001

Http Web Browser Configure Screen

Default Configure Password : 1234

Default IP = 192.168.1.101 (http://192.168.1.101)

SYRIS Net Server

Device Interface Parameters

Device Name	MDNET-1	Device ID	001
IP Address	192.168.001.111	Hardware address	02:30:7A:38:42:07
Netmask	255.255.255.000	Gateway	192.168.001.254
Serial Port	19200,E,8,1	S/N	02354207

Configure Password:

Configure Device Interface Parameters

Device Name : Max 10 Char Device ID : 001-999
 Serial Port : 1200,E,8,1 - 1200,N,8,1 - 2400,E,8,1 - 2400,N,8,1 - 4800,E,8,1 - 4800,N,8,1 - 9600,E,8,1 - 9600,N,8,1 -
 19200,E,8,1 - 19200,N,8,1 - 38400,E,8,1 - 38400,N,8,1 - 57600,E,8,1 - 57600,N,8,1 - 115200,E,8,1 -
 115200,N,8,1
 Delay Time : 001 – 250 (Serial Port Data End Delay)
 New Password : Max 8 Char Socket Port : Default Protocol Port (TCP Server Mode)

User Define Protocol

Mode : R : Receive Mode T : Transfer Mode R+T : Receive and Transfer Dual Mode None : No Use
 Protocol : TCP Sever : PC Connect to Module TCP Client : Module Auto Connect to PC UDP : UDP Mode

SYRIS Net Server Configure

Device Interface Parameters

[Home](#)

Device Name	<input type="text" value="MDNET-1"/>	Device ID	<input type="text" value="001"/>
IP Address	<input type="text" value="192.168.001.111"/>	Hardware address	<input type="text" value="02:30:7A:38:42:07"/>
Netmask	<input type="text" value="255.255.255.000"/>	Gateway	<input type="text" value="192.168.001.254"/>
Serial Port	<input type="text" value="19200,E,8,1"/>	Delay Time	<input type="text" value="010"/> ms
Socket Port	<input type="text" value="05003"/>	New Password	<input type="text" value="1234"/>

No	Local Port	Mode	Protocol	Remote IP	Remote Port
#1	<input type="text" value="05001"/>	R+T <input type="button" value="v"/>	TCP Sever <input type="button" value="v"/>	<input type="text" value="192.168.001.102"/>	<input type="text" value="05001"/>
#2	<input type="text" value="05002"/>	R+T <input type="button" value="v"/>	TCP Sever <input type="button" value="v"/>	<input type="text" value="192.168.001.103"/>	<input type="text" value="05002"/>

Click Save Button Module is Auto Reset

MDNET Specification

Items / Specs	MDNET-1	MDNET-95A
LAN	10BASE-T/100BASE-TX port, 10/100Mbps auto-sensing	
TP port	RJ-45 phone jack	
Protocol	TCP Server/Client, UDP Server/Client, HTTP Server	
Interface	RS-232 / RS-485 (Auto-detecting)	
Connector port	9 PIN D-SUB (RS-232 / RS-485)	
Baud rate	19,200 bps (4,800、9,600、19,200、38,400、57,600、115,200)	
Parity	None , Event , Odd	
Data bits / Stop bits	7 , 8 / 1	
Software Data keypro Indicator	None	SYW95A-NET
Beep	4 LED (Power , RX/TX , Link , Active)	
Color	Built-in	
Humidity	Beige	
Operating temperature	10% to 95% (Non-condensing)	
Storage temperature	-20°C to 70°C	
Mafnetic isolation	-30°C to 80°C	
Power supply input	1.5KV for Ethernet	
Dimensions (mm)	8V to 15V DC	
	107W x 138H x 30D	

* This specification is preliminary and is subject to change without prior notice.