



Modbus NET485

for DIN Rail UPS

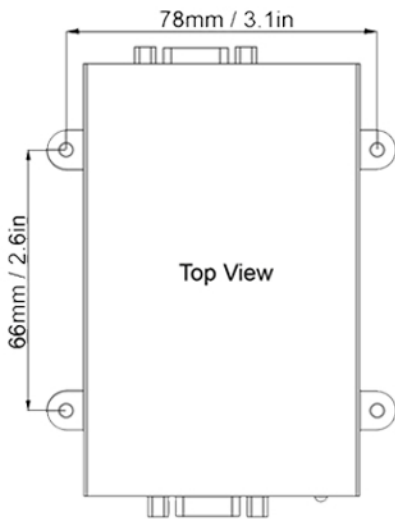
Part Number: DMOD-EXTL-01

INTELLIGENT, INDUSTRIAL COMMUNICATION INTERFACE

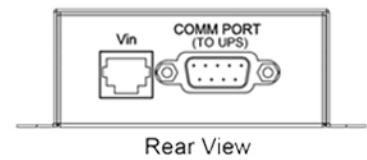
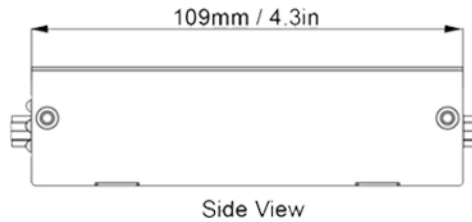
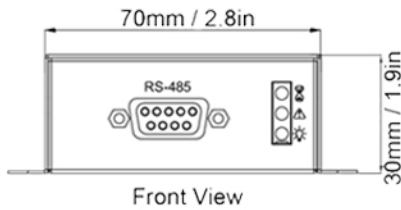
General Specifications			
CPU	ARM 266MHz 32Bit		
System Clock	208MHz		
Flash Memory	4M Byte		
SDRAM	16M Byte		
LED	5		
Watch Dog	Yes		
Modem Port	No		
Environment Port	No		
Real Time Clock	No		
LCD Display	No		
LAN Interface	10M/100M UTP		
Ethernet Throughput	1620K Byte per seconds		
Ethernet Latency	0.759 milliseconds		
Pin Assignment			
Pin	Input/Output	Description	
P1 GND	GND	Ground PIN	
P2 Power In	Input	DC power input.	
P3 RS232_TXD	Output	+5.5V and -5.5V Voltage level for RS232	
P4 RS232_RXD	Input	-3V to -15V for logic '1', +3V to +15V for logic '0'	
P5-P7 No USE			
P8 SNMPSIG		NET485 card plug in detect, connect to PIN 10	
P9 GND	GND	Ground PIN	
P10 SNMPSIG		NET485 card plug in detect, connect to PIN 8	
P11-P26 No Use			
Environment Specifications			
Parameter	Conditions	Minimum	Maximum
Operating Temperature		0 °C	50 °C
Storage Temperature		-20 °C	55 °C
Operating Humidity	Non-Condensing	5% RH	95% RH
Storage Humidity	Non-Condensing	0% RH	95% RH

Modbus NET485

Dimensions



Modbus485 connected to DIN Rail UPS



Additional Specifications

Signal Specifications – Receiver Inputs				
Parameter	Conditions	MIN	TYP	MAX
Input Voltage Range		-25V		+25 V
Input Threshold Low	TA = +25°C	+0.6V	+1.2V	
Input Threshold High	TA = +25°C		+1.5V	+2.4V
Input Hysteresis			0.3 V	
Input Resistance	TA = +25°C	3 k ohm	5 k ohm	7k ohm
Transmitter Outputs				
Parameter	Conditions	MIN	TYP	MAX
Output Voltage Swing	All transmitter outputs loaded with 3k ohm to ground	±5.0V	±5.4V	
Output Resistance	TA = +25°C	300	10M	
Output Short-Circuit Current			±35 mA	±60 mA
Power Specifications				
Item	Minimum	Maximum		
DC Input Voltage	+5.3V	+40V		
DC Input Current		3W Maximum		
EMI				
FCC Class B, CE				

Part Number: DMOD-EXTL-01

Marathon Power Inc. Marathon Power