



Technical Features CONECTABLE PLC ARDUINO 24Vcc M-DUINO

MODEL TYPE	M-Duino
Input Voltage	12 to 24Vdc (Fuse protection (2.5A) Polarity protection)
Input rated voltage	24Vdc
Rated Power	30 W
I max.	15A
Size	101x701x119.5
Clock Speed	16MHz
Flash Memory	256KB of which 8KB used by bootloader
SRAM	8KB
EEPROM	4KB
Communications	I2C, Ethernet, USB, RS485, RS232, SPI (2x) Rx, Tx (Arduino pins) Max232-Max485-W5500
USB consideration!	Only for uploading or debugging, NOT connected as a serial Cannot be working in a final application

General Features

Power supply voltage	DC power supply	12 to 24Vdc
Operating voltage range	DC power supply	11.4 to 25.4Vdc
Power consumption	DC power supply	30 W MAX
External power supply	Power supply voltage	24Vdc
	Power supply voltage	700Ma
Insulation resistance	20MΩ min at 500Vdc between the AC terminals and the protective earth terminal.	
Dielectric strength	2.300 VAC at 50/60 Hz for one minute with a leakage current of 10mA max. Between all the external AC terminals and the protective ground terminal.	
Shock resistance	80m/s ² in the X, Y and Z direction 2 times each.	
Ambient temperature (operating)	0° to 60°C	
Ambient humidity (operating)	10% to 90% (no condensation)	
Ambient environment (operating)	With no corrosive gas	
Ambient temperature (storage)	-20° to 60°C	
Power supply holding time	2ms min.	
Weight	378g max.	

INPUTS (x13)

An/Dig Input 10bit (0-10Vcc) - (x6)	0 to 10Vac Input Impedance: 39K Separated PCB ground Rated Voltage: 10Vac 7 to 24Vdc I min: 2 to 12 mA Galvanic Isolation Rated Voltage: 24 Vdc
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Digital Isolated Input (24Vcc) - (x5)	7 to 24Vdc I min: 2 to 12 mA Galvanic Isolation Rated Voltage: 24 Vdc
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Interrupt isolated Input HS (24Vcc) - (x2)	7 to 24Vdc I min: 2 to 12 mA Galvanic Isolation Rated Voltage: 24 Vdc
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Expandability

I2C - 127 elements - Serial Port RS232/RS485



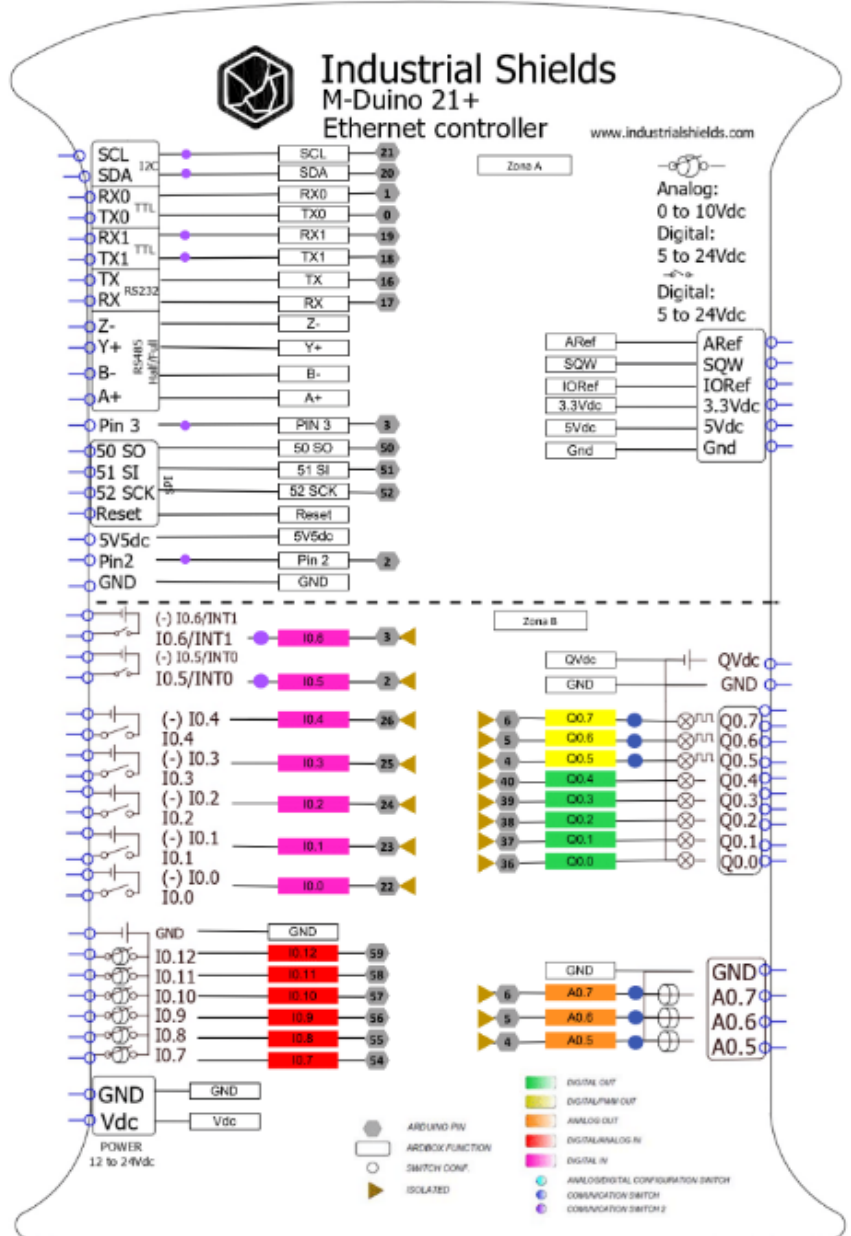
OUTPUTS (x8)

Analog Output 8bit (0-10Vcc) - (x3)	0 to 10Vac I max: 20 mA Separated PCB ground Rated Voltage: 10Vac
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Digital Isolated Output (24Vcc) - (x5)	5 to 24Vdc I max: 70 mA Galvanic Isolation Diode Protected for Relay Rated Voltage: 24Vdc
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Digital Isolated Output Relay - (x0)	220V Vdc I max: 5A Galvanic Isolation Diode protected for Relay I max 24Vdc: 410 mA
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PWM Isolated Output 8bit (24Vcc) - (x3)	5 to 24Vdc I max: 70 mA Galvanic Isolation Diode Protected for Relay Rated Voltage: 24Vdc
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Original
ARDUINO Mega
included