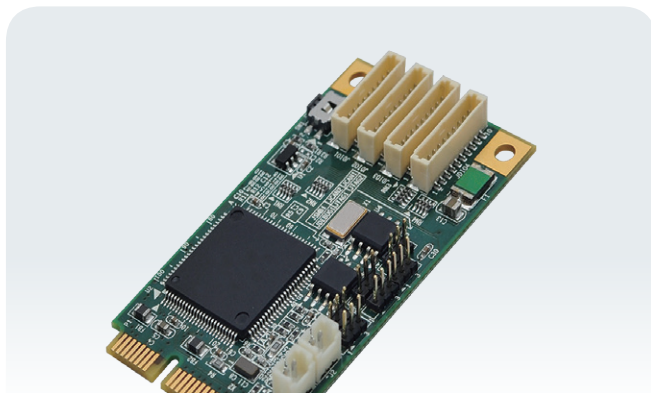**RUGGED SCIENCE**

DMX-100 EXPANSION CARD

Mini PCIe Digital I/O Card, 32-bit GPIO/Isolated DIO, -40°C to 85°C

Features

- 4KV Isolated Protection for each channel
- -40°C to 85°C Operating Temperature
- 32-bit Programmable signals
- 4 ports digital signal, each with 8-bit GPIO
- On-board Interrupt supports Rising/Falling Edge
- Programmable Timer and Counter for status monitoring
- Isolated DIO Control : Sink Mode/Source Mode
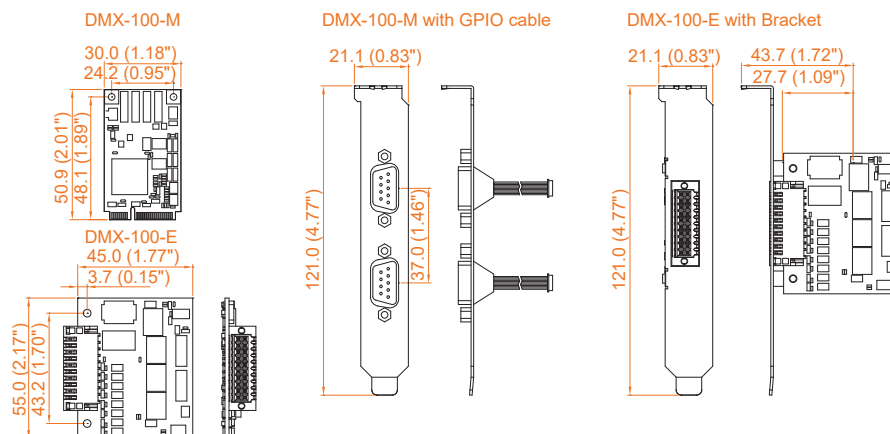- Supports Wide Range I/O Voltage

Specifications

GPIO (DMX-100-M)	
Interface	USB 2.0
Number of port	4 (8-bit GPIO/each)
Power Input	3.3V DC-in
I/O Voltage	3.3V

Isolated DIO Expansion Card (DMX-100-E)	
Number of port	- Input : 2 (8-bit GPIO/each) - Output : 1 with 16-bit Isolated DIO
I/O Voltage	- Sink Mode : 6V to 40V - Source Mode : 6V to 48V

Mechanical	
Dimensions (W x L)	DMX-100-M : 30.0mm x 50.9mm DMX-100-E : 45.0mm x 55.0mm Cable Length : 250mm
Weight	160 g

Software Support	
OS	Windows 10, Windows 7, Linux

Environment	
Operating Temperature	-40°C to 85°C (-40°F to 185°F)
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Humidity	5% to 95% Humidity, non-condensing
Relative Humidity	95% @ 85°C
EMC	CE, FCC

Packing List	
DMX-100 : - 1 DMX-100-M GPIO Card - 4 GPIO Cable - 1 Screw Kit - 2 Bracket	DMX-110 : - 1 DMX-100-M GPIO Card - 2 DMX-100-E Isolated DIO Expansion Card - 4 Isolated DIO Cable - 2 Sink/Source Mode Control Cable - 1 Screw Kit - 2 Bracket - 2 Terminal block 20-pin (2.54mm)

Dimensions

Unit : mm/ inch

DMX-100-M
30.0 (1.18")
24.2 (0.95")
50.9 (2.01")
48.1 (1.89")

DMX-100-E
45.0 (1.77")
3.7 (0.15")
55.0 (2.17")
43.2 (1.70")

DMX-100-M with GPIO cable
21.1 (0.83")
121.0 (4.77")
37.0 (1.46")

DMX-100-E with Bracket
21.1 (0.83")
43.7 (1.72")
27.7 (1.09")
121.0 (4.77")

DMX-100

DMX-110

DMX-100-20190121

Order Information

DMX-100	Mini PCIe 32-bit GPIO Card
DMX-110	Mini PCIe 32-bit GPIO Card with Isolated DIO Expansion Card