

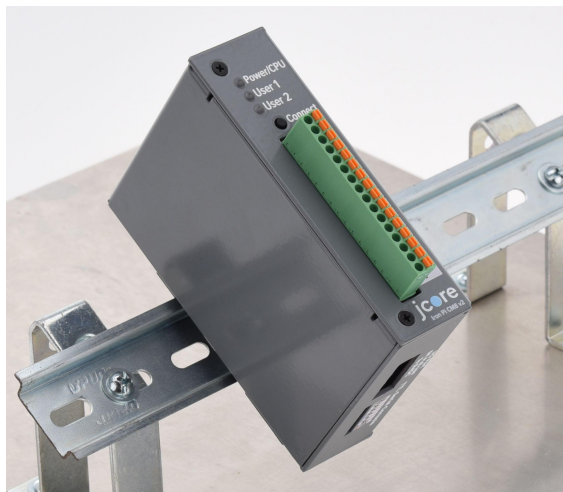


Iron Pi CM8 v2

Rugged Raspberry Pi-compatible Industrial Computer

Specifications Sheet

Updated November 30, 2022



Computing	
CPU	1.2GHz Quad Core ARM
Operating System	Raspberry Pi OS (Linux)
RAM	1GB
Storage (Fixed)	4GB eMMC Flash
Real Time Clock	Supercapacitor-Backed, No Battery Required



Serial Ports	
RS-232	1 Port
RS-485	1 Port

Flexible I/O	
Total I/O Channels	8
I/O Modes Supported (Channels 1-4)	Analog Input, Digital Input, Digital Output
I/O Modes Supported (Channels 5-8)	Digital Input, Digital Output
Analog Input Characteristics	12 Bit, 7Hz Sampling Rate, 0-10V Measurement Range, 24 Volt Tolerant
Digital Input Characteristics	2 Volt On Threshold, Switchable 5K Pull-Up, 24 Volt Tolerant
Digital Output Characteristics	Open Drain, 0.5A Max Current, Switchable 5K Pull-Up, 24 Volt Tolerant

Power and Environmental	
Input Power	12-24 Volts, 13 Watts
Mounting	DIN Rail
Dimensions (LxWxH)	4.5" x 4.25" x 1.25" 108mm x 109mm x 32mm
Operating Temp	-20C to +55C

Regulatory	
Safety Testing Standards	UL 62368-1:2014 CAN/CSA-C22.2 No. 62368-1-14
Certification Authority	Nemko North America
Certification Number	NA202211761