SCP CUBE MK2

New-Generation Supercapacitor Industrial Power Backup Solution

Features

- Designed for industrial box PC & panel PC
- Maintenance free supercapacitors
- Safe and reliable; no danger of fire or explosion
- No danger of overcharging
- Fully discharged for safety
- Environmentally friendly without hazardous materials
- Wide operating temperature range (-20°C to 70°C)
- Multi-function control utility
- Support power ignition control
- Support automatic output power switch control

Industrial Automation System

System	
Chip	High current supercap backup controller
Supercapacitor	
Capacity	400 Farads / each
Power Requirement	
Power Input	DC 12~35V input support
Power Output	DC 12V / 24V output with switch support Max. 120W
I/O	
Power In	1 x 3-pin terminal block
Power Out	1 x 3-pin terminal block
Switch	1 x slide switch for power output control
USB	1 x Type-A connector
COM	1 x COM with RS-232
Signal In/Out*	1 x 8-pin terminal block
Environmental	
Operating Temp.	-20°C ~ 70°C (-4°F ~ 140°F)
Storage Temp.	-30°C ~ 80°C (-22°F ~ 158°F)
Operating Humidity	10 ~ 95% RH @ 60°C (non-condensing)
Vibration	0.5 Grms/5~500Hz/random operation
Shock	Operating 10G (11ms), Non-operating 30G

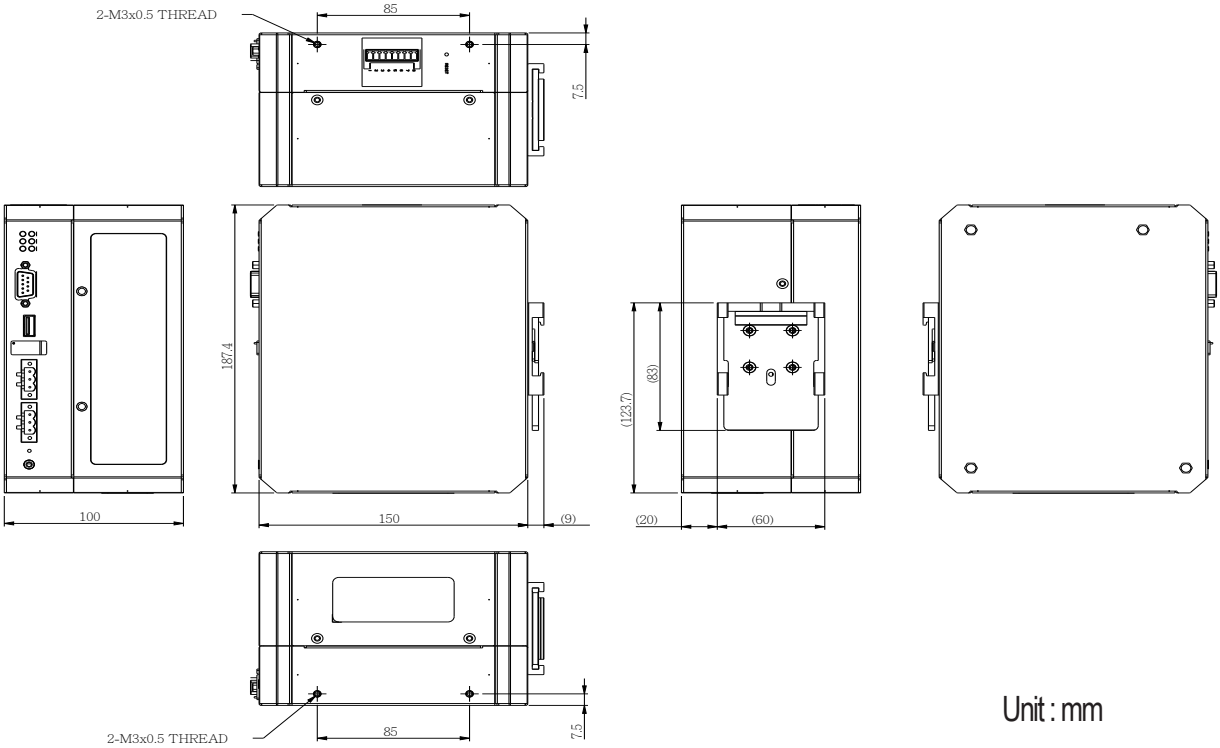
Qualification	
Certification	CE, FCC Class A
Mechanical	
Mounting	Din Rail Mount with Bracket
Chassis	Din Rail-mounting chassis, and SGCC steel chassis
Weight	2.2 kg (4.85lb)
Dimensions (W x H x D)	100 X 150 X 187.4 mm (3.94" x 5.91" x 7.38")
OS Support	
Windows 7/10	
Ordering Information	
SCP-43-MK2	4S3P supercap power backup system MK2
SCP-41-MK2	4S1P supercap power backup system MK2

Note: 1. To download USB-to-COM driver and SCP Cube Utility, please visit ARBOR website and locate the driver page of the SCP Cube.
2. The automatic output power switch control and power ignition control function depends on your device's configuration.
3. Signal in/out includes ignition in/out signal and remote power switch signal, which may include but is not limited to the above mentioned.

All specifications are subject to change without notice. Last update: 25/10/2022

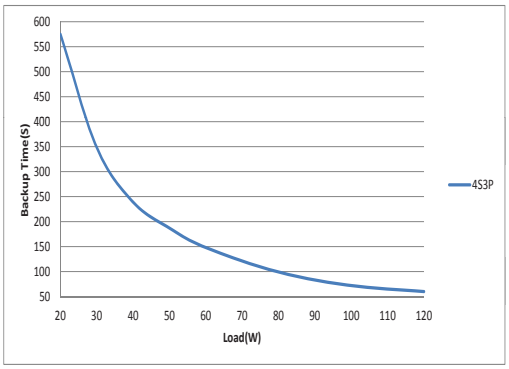
ARBOR
www.arbor-technology.com

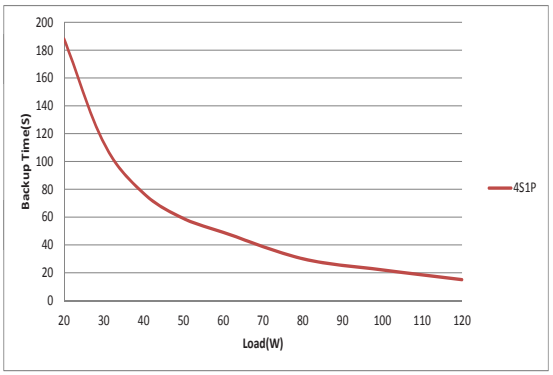
Dimensions



Unit : mm

Backup Time vs Load Chart





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Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

US

sales@assured-systems.com

Sales: +1 347 719 4508
Support: +1 347 719 4508

1309 Coffeen Ave
Ste 1200
Sheridan
WY 82801
USA

EMEA

sales@assured-systems.com

Sales: +44 (0)1785 879 050
Support: +44 (0)1785 879 050

Unit A5 Douglas Park
Stone Business Park
Stone
ST15 0YJ
United Kingdom

VAT Number: 120 9546 28
Business Registration Number: 07699660