

Spark S-Series

Lightweight yet ruggedized high-performance portable solutions designed for field and mobile applications

Spark S9

The Spark-S9 portable computers is the ideal solution for applications such as portable servers, network/communications testing, field data acquisition, remote field service, exploration, factory monitoring/automation, new technology demonstration, and much more.

Features

- Supports up to 7 slots on the ATX-compatible model and up to 14 slots on the Backplane-compatible model
- Removable 2.5" drive bay
- Integrated card retention stabilizers
- Supports 20.1" LED-backlit LCD
- Optional Full HD 1920 x 1080 crystal clear resolution



Spark S9T

In addition to all the strengths of a S9, S9T's three screens provide users with larger display area for more information. It is designed for field and mobile applications. Put it at the heart of your high-performance portable computer solutions. This portable computer chassis allows you to combine the latest in high-performance motherboards and add-in special function boards with a large display into a system that is compact and extremely rugged. It offers a cost effective solution to performance demanding portable computing applications.

Features

- Three 17.3" LED-backlit LCDs
- Optional Full HD 1920 x 1080 crystal clear resolution
- Integrated card retention stabilizers
- Removable 2.5" drive bay



Spark S3/S3B

The Spark-S3 portable computer combines high-performance, add-on capability, and a large display into an extremely ruggedized all-aluminum laptop-style chassis. It offers a cost effective solution to performance demanding portable computing applications.

Features

- Support hot-swappable high capacity batteries
- Supports up to 14 slots on the Backplane-compatible model
- Removable drive bays
- Integrated card retention stabilizers
- Supports 20.1" LED-backlit LCD



General Specifications

		S3		S9		S9T
Model		S3	S3B	ATX	BP	ATX
Chassis		Aluminum		Aluminum		Aluminum
Platform		mini-ITX		ATX	Backplane	ATX
Total Slots		1 x 1/2 Length, 1 x 3/4 Length		7	14	7
Full Length Slots		-		4	10	4
Drive Bays	5.25"	-		1		1
	3.5"	1		2		2
	2.5"	1		-		-
	Removable	1		1 x 2.5"		1 x 2.5"
	Slim FDD	-		-		-
	Slim Optical	1		1		1
Power Supply (optional)		DC 24V 200W	Built-in 250W DC 24V input with 2 batteries 14.4V / 7.8Ah, 112W each	PS2 300W - 700W	1U 300W - 600W	PS2 300W - 700W
Fan(s)		3 x 7 cm	2 x 7 cm			
Keyboard/Mouse		Waterproof 87 Mechanical Keys with Touchpad		104 Keys with Touchpad		104 Keys with Touchpad
	Optional Waterproof 108 Keys with Pointing Device					
Audio		2 x 2W Speaker with Amplifier		2 x 2.5W speaker with amplifier		2 x 2.5W speaker with amplifier
Dimension (mm)		380 W x 310 H x 120 D		441 W x 340 H x 242 D		441 W x 350 H x 260 D
Weight		8.8 kg	9.8 kg	13 kg		13 kg

Environmental Specifications

	Operating	Storage
Temperature	0 to 50°C	-20 to 60°C
Humidity	Meth 5%~95% RH, non-condensing	
Altitude	4,600 m	12,200 m
Shock	15g, 11ms	30g, 11ms
Vibration	20~60Hz, 0.075 mm	10~50Hz, 0.15mm

Screen Specifications

Model	S3/S3B	S9/S9T
Size	15.6"	17.3"
Resolution	1366 x 768	1600 x 900
Brightness	220 cd/m ²	300 cd/m ²
Contrast	500:1	400:1
Response Time	8 ms	8 ms
Input	DVI	DVI
Light Source	LED	LED

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