

Spark

Spark S3/S3B

The high-performance all-aluminum laptop-style portable computer designed for field and mobile applications



Inspired by our broad ruggedized computing solutions for mission-critical applications, SSI Portable has developed the Spark S3/S3B.

The multi-functional Spark S3/S3B mobile workstation combines high-end computing power and add-on capability with a crystal clear display into a extremely ruggedized all-aluminum chassis. The optional swappable batteries allow you to work wherever you need it, whenever you need it.

Why choose Spark S3/S3B

- 15.6" LED-backlit LCD
- mini-ITX platform
- Ruggedly built, industrial quality
- Lightweight aluminum chassis
- IP43 Waterproof
- Silicon Rubber Backlit Keyboard

The high-performance all-aluminum laptop-style portable computer designed for field and mobile applications

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.

Long Battery Life

The S3B model from the family is designed with swappable high-capacity batteries each with 14.4V 7.5Ah/112 Watts, providing enough juice to power your machine for long hours. In addition, the hot-swappability enables users to operate the machine for as long as they wish with pre-charged batteries. *Optional external battery charging docks sold separately.*

Expandability

With the mini-ITX platform and supporting 2 x 3/4 length expansion slots, 1 x 3.5" drive bay, 1 x 2.5" removable drive bay, and 1 x slim DVD bay, the S3 series is the most versatile laptop-style portable computing solution on the market. It provides you an alternative to our other products for applications that requires less expandability and more portability.

Backlit Keyboard

The S3 series machines are equipped with a waterproof backlit keyboard with three level of brightness, allowing you to operate in the darkest environment.



LCD Screen

The S3 series models are equipped with a 15.6" LED-backlit LCD, offering a crystal clear viewing experience with low power consumption.

Technical Specifications

Model	S3	S3B
Chassis	Aluminum	
Platform	mini-ITX	
1/2 Length Slots	1	
3/4 Length Slots	1	
Drive Bays	3.5"	1
	2.5"	1
	Removabl	1
	Slim	1
Power Source		
External Adaptor	AC Input: 90 - 260V / DC Output: 24V 9.2Ah	
Built-in PSU	200W	220W
Battery	-	2x 110W
		14.4V/7.5Ah
Fan(s)	3 x 7 cm	2 x 7cm
Keyboard/Mouse	Back-lit Waterproof 88 Keys with Touchpad	
Audio	2 x 2W speaker with amplifier	
Dimension (mm)	380 W x 310 H x 120 D	
Weight	8.8 kg	9.8 kg

Screen Specifications

Size	15.6"	
Resolution	1366 x 768	1920 x 1080
Brightness	220 cd/m ²	300 cd/m ²
Contrast	500:1	
Response Time	8 ms	
Input	DVI	
Light Source	LED	

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

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