

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
<b>Power Source</b>		
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 <sup>2</sup>	300 cd/m <sup>2</sup>
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

#### Taiwan

Storage System Inc.  
No. 245, Zhongzheng Road,  
Shulin District, New Taipei City  
Taiwan, R.O.C  
<http://www.portablepc.com.tw>  
Tel: +886 2 2682-5650  
Fax: +886 2 2682-5649

#### USA

TRANS 2000 Inc.  
11606 E. Washington Blvd #F  
Whittier, CA 90606  
USA  
<http://www.trans2000.com>  
Tel: +1-562-908-6814  
Fax: +1-562-908-6819