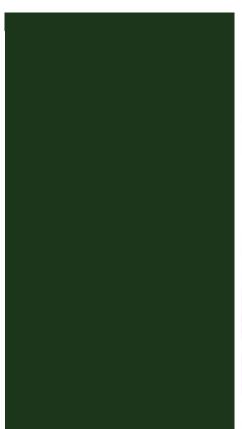


# Spark S3/S3B

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, has developed the Spark S3/S3B.

The multi-functional Spark S3/S3B mobile workstation combines high-end computing power and add-on capbility with a crystal clear display into a extremely rurrgedized all-aluminum chassis. The optional swappable battieries allow you to work whereever 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 1 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		33	Aluminum	
Platform		mini-ITX		
		1111111-117		
1/2 Length Slots				
3/4 Length Slots				
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 <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					
	non-condensing				
Altitude	4,600 m	12,200 m			
Shock	15g, 11ms	30g, 11ms			
Vibration	20-60Hz,	10-50Hz,			
	0.075 mm	0.15mm			