

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, 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 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 | 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 |