



SP5500 series **OptimusS™**

OptimusS™ is a compact portable data terminal designed for retail and light warehouse data collection applications, including inventory and stocking.

Metrologic's OptimusS and OptimusSBT mobile computers offer pocket-sized, data-collection solutions for inventory, order-picking or shipping/receiving applications.

While both of these stylish mobile computers are engineered for rapid batch data collection, only OptimusSBT features Bluetooth® connectivity for real-time data transfer and easy integration with any Class 1 Bluetooth peripheral.

Like all Metrologic mobile computers, OptimusS and OptimusSBT feature navigation and software development tools that make customizing applications for even the toughest data-collection challenges a snap.

Both devices come with software for quick configuration to any mobile computing program or database. Their 2MB of memory accommodate large inventories and rechargeable batteries provide hours of scanning operation (OptimusS: 100 hours; OptimusSBT: 36 hours).

www.metrologic.com/SP5500

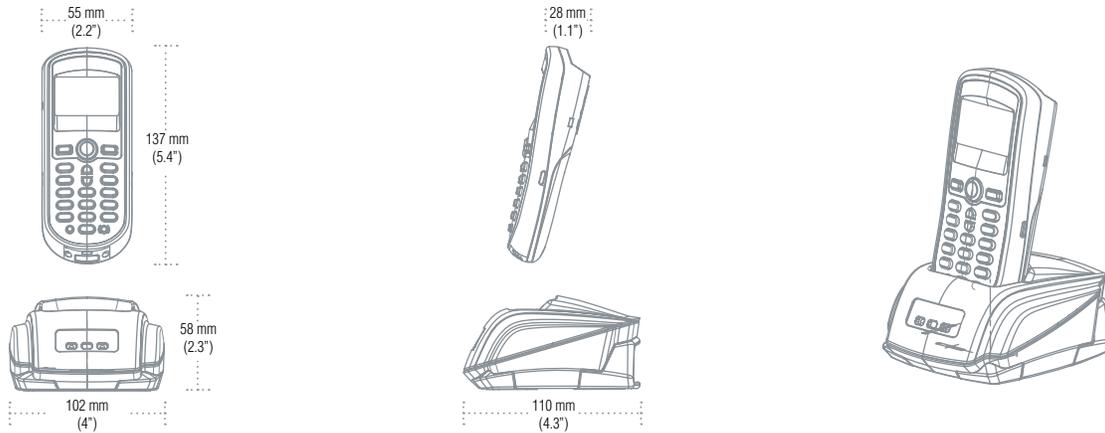


Features

- LCD display with backlight and adjustable font
- Small form factor
- Several Programming Options (Optimizer, BASIC, C)
- Class 1 Bluetooth Technology

Benefits

- Easy to view screen to accommodate different users and environments
- Same feature set as bulkier units in a lighter, easier to handle package
- Accommodates different levels of programming skills from beginner to advanced
- Industry standard technology allows real-time transfer of data approximately 100 meters to a variety of devices
- Lower power consumption than other wireless technologies allows for more uptime
- Cost-effective alternative to WiFi



OPERATIONAL

System	
CPU	16-bit CMOS, low power consumption
Program Memory	2 MB flash ROM
Data Memory	2 MB SRAM
Display	LCD - 100 x 64 pixels, back-lit
Resolution	8 lines x 16 characters (max), 4 lines x 12 characters (min)
Keypad	21 rubber keys; alpha/numeric, function, scanner
Indicators	Buzzer - programmable audible indicator (1 KHz - 4KHz) LED - Dual-color, programmable green and red
Communication (Unit)	Cradle IR (SP5535: Class 1 Bluetooth)
Communication (Cradle)	RS232, USB
Application Development	Windows-based Optimizer; optional C & BASIC compilers

MECHANICAL

Height	Unit: 137 mm (5.4"); Cradle: 58 mm (2.3")
Depth	Unit: 28 mm (1.1"); Cradle: 110 mm (4.3")
Width	Unit: 55 mm (2.2"); Cradle: 92 mm (3.6")
Weight	140 g (4.9 oz) - including batteries

ELECTRICAL

Battery Operation	Li-ion
Battery Backup	3.7V, 7.0mA hours, rechargeable lithium battery
Operation	Batch: over 100 hours; Bluetooth: over 36 hours
EMC	FCC Class A, CE and C-Tick approved

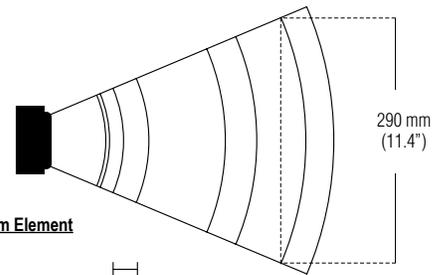
ENVIRONMENTAL

Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-30°C to 60°C (-22°F to 140°F)
Humidity	5% to 95% relative humidity, non-condensing
Shock	1.2 m (4') drop onto concrete

SCAN PERFORMANCE

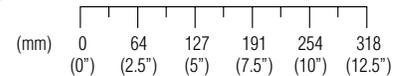
Laser Scanner	
Visible Laser Diode	650 nm
Minimum Bar Width	0.127 mm (5 mil)
Width of Scan Field	290 mm (11.4") @ 222 mm (8.75")
Depth of Scan Field	20 mm - 222 mm (.75" - 8.75") for 0.33 mm (13 mil) bar codes
Scan Speed	100 scan lines per second
Print Contrast	35% minimum reflective difference

Scan Area



Bar Code Minimum Element

- 0.132 mm (5.2 mil)
- 0.190 mm (7.5 mil)
- 0.264 mm (10.4 mil)
- 0.330 mm (13 mil)
- 0.495 mm (19.5 mil)



Product Colors Available



Smoke White

SP5500 series is available in a variety of other colors with minimum quantity purchase.



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Sunrise 2005 Compliant

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DS5500