

## Pocket-sized Laser Terminal



Only 206 g!



USB

RS232

Li-Ion  
Battery

### FEATURES

- High Performance Laser Reader
- Ergonomic, compact and robust
- Easy to read display
- User-accessible SD memory slot
- Lightweight 206 g (7.3 oz)
- 1.2 m (4 ft) drop resistance
- IP54 protection class
- USB and RS232 connectors on board
- Optional Bluetooth®

### APPLICATIONS

- Inventory
- Shelf replenishment
- Price management
- Order entry
- Assisted sales
- Asset Tracking

### HIGHLIGHTS

- **LIGHTWEIGHT AND HANDY**  
Put Formula™ power in your shirt pocket! Small and slim, with excellent ergonomics, the new Formula™ adapts to any situation, anywhere, with superior utility.
- **USER FRIENDLY**  
The compact body features a crisp display to view character-based data. Adjustable display brightness enhances display readability in a wider range of lighting conditions. In addition, the numeric keyboard's intuitive layout reduces user fatigue.
- **EASY TO CONNECT**  
Serial and USB connectors on the product bottom offer standard cabled connections to any device. A Bluetooth® option enables seamless wireless connection of the Formula™ to any kind of PC.
- **ROBUST AND STABLE**  
Rugged construction protects the terminal from unintentional drops and exposure to water and dust. A proprietary operating system and the mature microprocessor ensure working stability, today and tomorrow. High capacity on board memory manages large data quantities and simultaneous applications. User-accessible SD card slot expands the memory for backup data or large database management.
- **ALL-IN-ONE PACKAGE**  
The Formula™ comes with a mini USB cable and a "world-wide" power supply via country specific adapters (EU, USA, UK, AU). Basic software applications available in the box include:
  - Code Quantity
  - Inventory
  - Picking

## Specifications

### PHYSICAL CHARACTERISTICS

DIMENSIONS	152 x 55 x 40 mm (5.98 x 2.17 x 1.57 in) (maximum)
WEIGHT	206 g (7.3 oz) incl. standard battery
DISPLAY	Ultra-bright LCD with backlight; 16 lines x 16 characters
KEYBOARD	Numeric with 25 silicon rubber keys (4 navigation keys + 4 function keys)
OPERATING TEMPERATURE	0 to 50 °C (32 to 122 °F)
STORAGE TEMPERATURE	-20 °C to 70 °C (-4 °F to 158 °F)
DROP RESISTANCE	Resists drops from 1.2 m (4 ft) onto concrete
ENVIRONMENTAL SEALING	IP54 standard for water and dust resistance

### SYSTEM

OPERATING SYSTEM	Datalogic proprietary
MICROPROCESSOR	8 bit CMOS
SYSTEM RAM MEMORY	1024 KB RAM for data
SYSTEM FLASH MEMORY	512 KB Flash dedicated to the application program
EXPANSION SLOTS	Secure Digital (user accessible)
SIGNAL TO OPERATOR	4 LED; magnetic buzzer programmable frequency and duration
CLOCK/CALENDAR	Quartz controlled RTC; programmable date and time
POWER SUPPLY	Removable battery pack with rechargeable Li-Ion batteries; 3.6 V 1000/2000 mAh (3.6/7.2 Watt hours); alkaline batteries compatible Local customized connector for fast battery charging

### COMMUNICATIONS

INTERFACES	Electrical: integrated RS232 up to 115.2 Kbps USB: integrated high speed USB and mini USB connector (USB 1.1)
PERSONAL AREA NETWORK (PAN)	Bluetooth® V2.0+EDR (optional) Integrated module

### READING OPTIONS

#### LASER CHARACTERISTICS

SCANNING RATE	104 ± 12 scan/sec
MINIMUM RESOLUTION	0.10 mm / 4 mils
DEPTH OF FIELD	5 to 90 cm (2 to 35 in), depending on bar code density
BAR CODES	EAN13, EAN128, UPC/A-E, 2/5 family, Code 128, Code 93, Code 2/7, 3/9 family, MSI, Delta A IBM, Codabar (NW7), PAKO, Zellweger, Storagetek
LASER CLASSIFICATION	VLD - Class 2/II EN 60825-1/CDHR

### SOFTWARE

#### BASIC DEVELOPMENT

Software Developer's toolkit

#### READY TO USE APPLICATIONS

Standard Code Quantity application  
Enhanced configurable application

#### ENTERPRISE DEVELOPMENT

EasyGen Rapid Application Generator



Caution: Laser Radiation - do not stare into beam

## Accessories



Inside the box



Single Cradle

Please refer to user manual available at [www.mobile.datalogic.com/manuals](http://www.mobile.datalogic.com/manuals) for information on product use limitations.

For more information and software downloads see: [www.mobile.datalogic.com/formula](http://www.mobile.datalogic.com/formula)