ESCORT MEMORY SYSTEMS
A DATALOGIC GROUP COMPANY

# LRP7400 Hand-Held RFID Reader/Writer


## Features

- Based on a 486 processor
- Powerful, compact and lightweight
- Open system architecture IrDA ports
- IP53 protection
- Available with a 37 key keypad

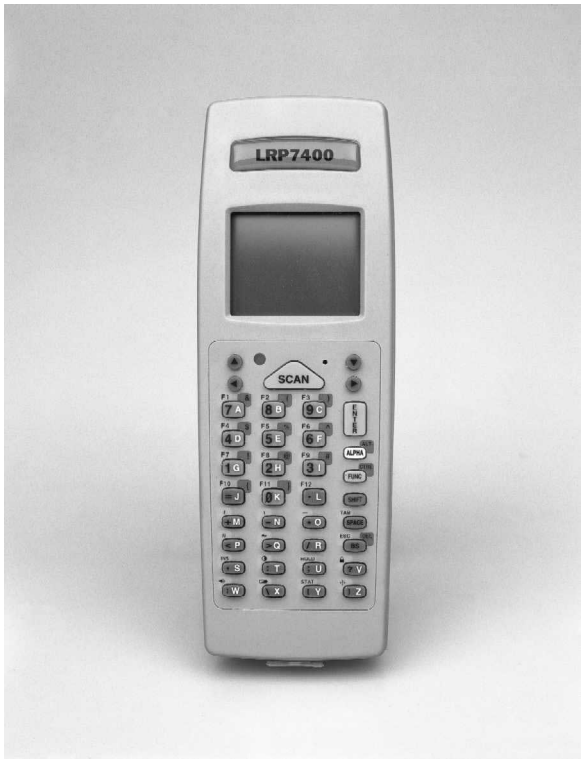
## Applications

- Inventory control
- Goods picking
- Goods shipping/receiving
- General warehouse management
- Shelf price verification
- Shelf replenishment

## General Description

The LRP7400 is a powerful, mid-range portable terminal, based on PC technology, used to read Escort Memory Systems FastTrack family of tags. This technologically and stylistically refined Palm Laser PC has been conceived to offer users a compact and light weight product, one that combines convenience with top-notch performance characteristics.
The LRP7400's hardware architecture is based on a DOS Operating System and a powerful 486 32-bit processor which can be easily integrated into the most popular information systems.
Also, by using the DS7400 software development kit, based on standard C compilers integrated with special Datalogic libraries, it can be easily programmed by developers who are already familiar with the PC environment.
The LRP7400 comes with a 37 key, full alphanumeric keypad layout.
This IP53 hand-held reader meets important requirements such as high autonomy, resistance to falls, and protection when working in harsh environmental conditions. Conceived to best meet the operating needs of today's data collection world, the LRP7400 is reliable, flexible and highly productive.

# LRP7400 Hand-Held RFID Reader/Writer




## User Interface

All the components of the user interface have been particularly well designed, beginning with the wide, high contrast LCD display (96 x 64 pixels) capable of displaying any operation in all ambient light conditions.
Designers can use the display format that best suits their particular application needs, and have various operations available ranging from a minimum of 13 characters by 6 lines to a maximum of 24 characters by 8 lines.
The LRP7400 is equiped with a 37 key keypad which is optimised in terms of space, color scheme and ease of operation to accomodate the integration of a new graphic overlay. This multi-colored keypad allows for easy alphanumeric data-entry, and access to various complex functions in a practical and efficient manner.

## Cradles and Communication

RS232 serial mode data transmission is provided by placing the terminal into the F970 Transceiver/Charger or by connecting the PC, modem, printer or any other equipment directly to the RS232 port, already integrated into the LRP7400.

*LRP7400 and F970 Transceiver/Charger*

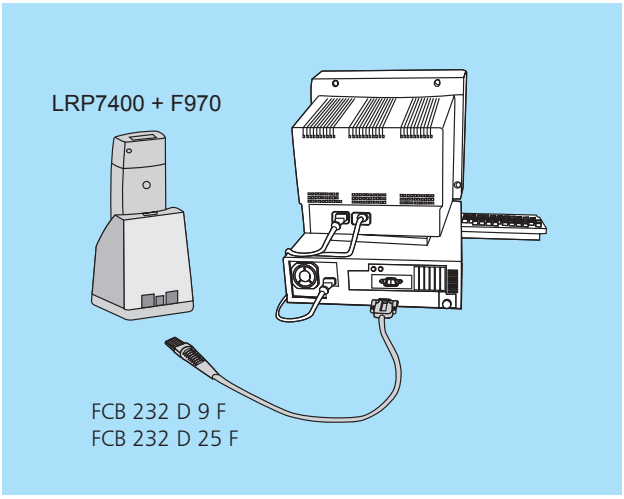
# LRP7400 Hand-Held RFID Reader/Writer

## F975/4 Multicharger

F975/4 SB2533

The F975/4 Multicharger permits 4 battery packs to be recharged simultaneously. Now, instead of having to place the LRP7400 into the F970 cradle to recharge the battery pack, you can minimize downtime by simply grabbing a charged battery pack out of the Formula 975 Multicharger. This is the ideal answer for applications where extensive use of the LRP7400 terminal is expected. The Multicharger also optimises battery life thanks to its recycling option, which eliminates the possibility of "memory effect."

### Connections




*Typical RS232 serial connection*

# LRP7400 Hand-Held RFID Reader/Writer

## Models and Accessories

| PRODUCT | DESCRIPTION | ORDER NO. |
|---|---|---|
| LRP7400 | LRP7400 2MB+2MB Palm PC with RFID, 37 keys, NiMH rechargeable batt. pack. | 942104190 |
| **ACCESSORIES** | | |
| F970 SB2553 | Tranceiver/Charger, No Cables | 94A154820 |
| F970/C SB2553 | Charger Only, No Cables | 94A154821 |
| F975/4 SB2553 | 4 Slot Multicharger, No Cables | 94A154822 |
| NIMH BATT. PACK 7400 | NiMH rechargeable battery pack only | 94ACC4340 |
| KIT DS 7400 SB2553/A | Software Development Kit | 94A154840 |
| KIT F970 SB2553 USA | Tranceiver/Charger w/ Cables for USA Use Only | 94A154823 |
| KIT F970 SB2553 EU | Tranceiver/Charger w/ Cables for Europe Use Only | 94A154824 |
| KIT F970/C SB2553 USA | Charger Only w/ Cables for USA Use Only | 94A154825 |
| KIT F970/C SB2553 EU | Charger Only w/ Cables for EU Use Only | 94A154826 |
| KIT F975/4 SB2533 USA | 4 Slot Multicharger for Batteries w/ Cables for USA Use Only | 94A154827 |
| KIT F975/4 SB2533 EU | 4 Slot Multicharger for Batteries w/ Cables for Europe Use Only | 94A154828 |

**** Kits are also available for the UK and Australia. Please contact EMS for details and part numbers.***

## Specifications

**POWER SUPPLY** Removable battery pack with rechargeable NiMH batteries; Removable battery pack with AA-size alkaline batteries; Supercapacitor to back-up system RAM during battery pack change; Lithium back-up to preserve set-up data

**SYSTEM MEMORY** 2MB RAM, 2MB Flash; RAM For system operation and virtual-disk data storage

**FLASH** Non-volatile memory for virtual disk-storage of applications and data files, 384KB dedicated to DOS and BIOS

**OPERATIVE SYSTEM** Datalogic proprietary BIOS; ROM DOS 6.22

**PROCESSOR** True 32 bit 486, 16 MHz

**DISPLAY** High-contrast graphic LCD with 96 x 64 pixels resolution and EL backlight feature; keyboard controlled contrast

**SCREEN FORMAT** 24 char. x 8 lines; 16 char. x 8 lines; 12 char. x 8 lines; 13 char. x 6 lines

**KEYBOARD** 37 alphanumeric key, silicon rubber keypad

**SERIAL COMMUNICATION** RS232 or RS485 via F970 Transceiver/Charger
Data rate Up to 115 Kbps

**DIMENSIONS** 179 x 62 x 23/35 mm

**WEIGHT** 300 g with batteries included

**OPERATING TEMP.** 0 to 50 °C

**AUTONOMY** 33 hours with reading every 60" (NiMH)
40 hours with reading every 60" (alkaline)
Lithium back-up to preserve set-up data

**DROP RESISTANCE** Resists drops from 1.2 m onto a concrete surface

**ENVIRONMENTAL PROTECTION** IP53