

## HAND HELD COMPUTER

# 2410 Series

**Benefits:**

- **Small, lightweight design**
- **Flexible application environments**
- **Industry standard development and connectivity tools**
- **Upgradeable wireless and batch versions provide investment protection**
- **Long lasting Lithium Ion battery for full shift operation**
- **Survives 4-foot drops to concrete**

With its compact, lightweight packaging, the 2410 Series hand-held computers are designed for retail and light industrial environments. Weighing under 14 oz., the 2410 Series provides easy operation over extended periods.

As the newest addition to the Intermec 2400 product line, 2410 Series hand-held computers share applications with other members of 2400 family. You can run the same application on a stationary shop floor terminal, a 2410 Series hand-held computer, and a vehicle mount unit.

With its industry-standard internal PC card slot, the 2410 Series can adapt with your system as your data collection needs change. You can start with the 2410—a hardwired (batch) system—and upgrade to the 2415—an 802.11 standard wireless system—simply by sending it to an Intermec service center for an RF upgrade. The 2415 can also be upgraded with the latest technology so you can easily change radios to handle higher speeds and increased coverage as advances in standards such as 802.11 RF technology occur.

You can also count on the 2410 Series to put in a full day's work without recharging. Its state-of-the-art Lithium Ion battery is easy to recharge and can run 8 to 10 hours on a single charge. That



makes the 2410 ideal for time-intensive applications, such as in-store audits and re-stocking inventory. And, its high-contrast, scratch resistant display makes for easy reading in many environments. Best of all, 2410 Series hand held computers integrate seamlessly into your system, whether it is a terminal emulation, client/server or simple serial connection through a communications dock.

# 2410 Series

## Physical characteristics

**Length:** 19.3 cm (7.6")

**Width:** 8.4 cm (3.3") at scanner; 5 cm (2") at grip

**Height:** 5.6 cm (2.2") at scanner; 4 cm (1.2") at grip

### Weight (with standard battery):

Model 2410 (Batch): 374g (13.2 oz.)

Model 2415 (RF): 422g (14.9 oz.)

Add 43g (1.5 oz.) for high capacity battery

## Display

CGA compatible backlit LCD displaying 16 lines of 20 characters per line (160 x 128 dot matrix) plus LED status indicators

Full 25 x 80 virtual screen with viewporting

U.S. and European character sets plus Big 5 and simplified Chinese, Korean, and Japanese

## Keyboard

Elastomeric 55-key with full alphanumeric set with function keys or 37-key larger alphanumeric with function keys.

Options for U.S., Multilingual European, IBM 5250, and VT/ANSI layouts

## Environmental

**Operating temperature:** -20° to 50°C (-4° to 122°F)

**Storage temperature:** -20° to 60°C (-4° to 140°F)

**Humidity:** Non-condensing (0 to 95% RH)

## Bar Code Scanning Options

Integrated visible laser diode scanner

USA/Canada Class II. International Class 2

### Depth of Field—Standard Range\* (670nm) (measured for Code 39)

5 mil	9.4-15.7 cm	(3.7"-6.2")
10 mil	7.4-30.5 cm	(2.9"-12")
20 mil	10.2-63.5 cm	(4"-25")
30.0 mil	10.2-86.4 cm	(4"-34")
40.0 mil	12.7-99 cm	(5"-39")
55.0 mil	19.1-126 cm	(7.5"-49")
55 mil retroflective	105-151 cm	(41"-59")
100 mil retroflective	113-227 cm	(44"-89")

### Depth of Field—Long Range\* (650nm)

10 mil	29.4-49.8 cm	(11.6-19.6")
20 mil	21.8-98 cm	(8.6 - 38.6")
30 mil	24.4-192 cm	(9.6 - 75.6")
40 mil	24.4-204.7 cm	(9.6-80.6")
70 mil retroflective	192-410.5 cm	(75.6")
100 mil retroflective	212.3-532.4 cm	(83.6"-209.6")

Built-in 16 pin I/O connector for attaching Intermec decoded and undecoded scanners and wands. Adapter available.

Measured for Code 39

## Bar Codes Supported

Code 39, 2 of 5, Interleaved 2 of 5, Codabar, UPC/EAN Code 128, Code 11, Code 93, Plessey, MSI, Code 16K, Code 49

## Power

**Operating:** Lithium Ion battery pack, standard and high capacity

## Memory

**RAM:** 1 MB, battery backed

**Non-volatile Memory:** 2MB. Option for 2MB additional (4MB total)

**Standard Storage:** 2 or 4MB SRAM

## Integrated RF Module (2415)

**Frequency:** 2.4 GHz actual frequencies in use vary by country

**Radio Type:** WLI Forum OpenAir Compatible

Frequency Hopping Spread Spectrum (FHSS)

**Radio Power Output:** 100mW

**Radio Data Rate:** 800 Kbps or 1.6 Mbps

**Range:** Up to 150 meters radius (500 ft.) indoors

450+ meters radius (1,500+ ft) outdoors

**Antenna:** Internal

## Serial Data Communications

Built-in 16-pin serial connector, 9-pin adaptor optional

RS232-C up to 38.4 Kbps

XMODEM, YMODEM for data transfer

Supports configurable Serial Protocol and XON/OFF

## Host Support via Data Collection Server 300

**Host Environment:** IBM AS 400, Digital HP, UNIX, Windows NT

**Connectivity:** Ethernet, Token Ring, 100BASE-T, Twinax, Coax, SDLC

**Communications:** TCP/IP, SNA

## Direct TCP/IP Support

Sockets interface or terminal emulation

Ethernet or Token Ring

## Software Configurations

**Programmable:** Microsoft® C

**Terminal Emulation:** 5250 SNA and TELNET

ANSI/VT 100, 220, 320 TELNET

Screen mapping

## Shock and Vibration Protection

Warrented for 4-foot drop to concrete

## Regulatory Approvals

UL Listed, UL 1950 and C22.2 No. 950, TÜV Rheinland GS, EN 60950 and EN 60825-1, FCC Part 15, Canada, RSS210 and ICES-003, Class B, EN 55022/CISPR 22, Class B, ETS 300 328, ETS 300 826, Compliant with all European directives, CE marked.

## Accessories

Battery charger, battery pack available in standard and high capacity, pistol grip handle, holster, belt loop, hand strap, serial communications dock, User manual, Programmer's Software Kit (PSK), EZBuilder™ Rapid Application Development software.

Intermec reserves the right to make changes without notice to any products herein for any reason at any time, including but not limited to improving the reliability, form, fit, function or design. Please contact Intermec for current price list and availability.

**Internet** • www.intermec.com **E-mail** • info@intermec.com **Telephone** • 800-347-2636 (toll free in N. Am.) **Service and Support** • 800-755-5505 (toll free in N. Am.)

**North America** ▶ Headquarters • 6001 36th Avenue West, Everett, WA 98203-9280, tel: 800-347-2636 (toll free in N. Am.), fax: 661-775-4440  
Norand Mobile Systems Division • 550 2nd Street S.E., Cedar Rapids IA 52401, tel: 800-452-2757 (toll free in N. Am.), fax: 319-369-3453  
Amtech Systems Division • 19111 Dallas Parkway, Suite 300, Dallas, TX 75287-3106, tel: 800-923-4824 (toll free in N. Am.), fax: 972-733-6699  
Label Products & Supplies • tel: 800-227-9947 (toll free), 513-874-5882 (direct), fax: 800-227-1707 (toll free), 513-874-8487 (direct)

**Europe / Middle East & Africa** ▶ Sovereign House, Vastern Road, Reading, Berkshire, RG1 8BT United Kingdom, tel: 44-118-987-9400, fax: 44-118-987-9401

**Asia Pacific / Latin America** ▶ Hong Kong • 26-12 Shell Tower, Times Square, 1 Matheson Street, Causeway Bay, tel 852-2574-9777, fax 852-2574-9725  
Singapore • #25-16 International Plaza, 10 Anson Road, 079903, tel: 65-324-8391, fax: 65-324-8393  
Australia • 15 Stamford Road, Oakleigh Victoria 3166, tel: 61-3-9563-0000, fax: 61-3-9563-4000  
South America and Mexico • 2572 White Road, Irvine, CA 92614, tel: 949-975-1905 Ext. 1939, fax: 949-975-1827

**Worldwide Fax Document Retrieval Service** • tel: 800-755-5505 (toll free in North America), 650-556-8447 (direct)

Copyright © 1999 Intermec Technologies Corporation. All rights reserved. All trademarks are the property of their respective owners. Contents subject to change. Printed in the U.S.A. #608762 8/99

**Where  
Information  
Gets Down  
To Business™**

**Intermec**

A UNOVA Company