*Intermec*

## Product
Profile

- **Large display, full keypad and multiple scanning options**

- **Ergonomic design**

- **Upgradable to RF to protect your investment**

- **Industry standard tools and program generator**

- **Long life battery and convenient communications accessories**

## 2420 HANDHELD COMPUTER

The 2420 is a full-featured terminal suited to inventory control, asset management, item tracking, maintenance management and other off-line data collection applications. Built to last, it will survive the repeated drops and rough environmental conditions found in manufacturing, distribution, health care and other demanding uses.

Applications can be developed using industry standard language tools; no proprietary languages to learn and support. The task is even quicker with EZBuilder™, a rapid application development and prototyping tool that requires no programming language expertise at all. Fast data communications to a PC or host are supported either through a portable serial adapter or a desktop communications dock.

With its Lithium Ion main batteries - normally found in more expensive computers and laptop PCs—data can be collected for a normal shift or longer without a battery change. Recharge them gradually while the terminal is in the communications dock or quickly in a convenient multi-pack charger. Data will be saved for days in the event the main battery is temporarily or accidentally removed. An internal modem option provides remote dial-up access at speeds up to 33.6 Kbps.

Standard memory and non-volatile storage will satisfy most application requirements. For larger files or portable data bases, add 2 or 4MB memory expansion options. Transform the 2420 to a wireless terminal easily with an RF module. Integrated scanners are replaceable modules for easier maintenance.

And the 2420 is a part of Intermec's 2400 family of fully compatible hand-held, vehicle mount and stationary shop floor terminals.

## Physical Characteristics
**Length:** 26.9 cm (10.6")
**Width:** 8.2 cm (3.2") at scanner,
6.4 cm (2.5") at grip
**Height:** 7.1 cm (2.8") at scanner,
5.7 cm (2.3") at grip
**Weight:** 620 g (22 oz.) including battery

## Environment
**Operating:** -20° to 50°C (-4°F to 122°F)
**Storage:** -20° to 60°C (-4°F to 140°F)
for less than two weeks
**Humidity:** Non-condensing (0 to 95% RH)
**Shock and vibration protection:**
Warrented for 5-foot drop to concrete

## Power
**Operating:** Lithium Ion battery pack
**Memory Backup:** Rechargeable NiCad

## Memory
**RAM Memory:** 1MB
**Non-volatile Memory:** 2MB
Additional 2MB (4MB total) optional
**Extended Memory:** 2MB or 4MB SRAM
(not available with modem option)

## Interfaces
- Optical (sealed) serial interface
- RS232-C up to 38.4 baud
- XMODEM, YMODEM for data transfer
- Supports Configurable Serial Protocol and XON/XOFF

## Display
- CGA compatible backlit LCD displaying 16 lines of 20 characters per line (128 x 160 dot matrix) plus graphic status icons
- Full 25 x 80 virtual screen with viewporting

## Keyboard
Elastomeric 56-key with full alphanumeric set, function keys and oversized numeric

## Bar Code Symbologies
Code 39, 2 of 5, Interleaved 2 of 5, Codabar, UPC/EAN Code 128, Code 11, Code 93, Plessey, MSI, PDF-417

## Bar Code Scanning Options
Integrated visible laser diode scanner
USA/Canada Class II, International Class 2
**Depth of Field*-Standard Range (670nm)**

| 5 mil | 9.4-15.7cm | 3.7-6.2" |
|---|---|---|
| 10 mil | 7.4-35.3cm | 2.9-13.9" |
| 20 mil | 10.2-63.5cm | 4-25" |
| 30 mil | 10.2-86.4cm | 4-34" |
| 40 mil | 12.7-99cm | 5-39" |
| 55 mil | 19.1-126cm | 7.5-49" |
| 55 mil retroreflective | 105-151cm | 41-59" |
| 100 mil retroreflective | 113-227cm | 44-89" |

\* measured for Code 39

**Depth of Field-Long Range (650nm)**

| 5 mil | 29.5-49.8cm | 11.6-19.6" |
|---|---|---|
| 10 mil | 21.8-85.3cm | 8.6-33.6" |
| 20 mil | 21.8-98cm | 8.6-38.6" |
| 30 mil | 24.4-192cm | 9.6-75.6" |
| 40 mil | 24.4-204.7cm | 9.6-80.6" |
| 70 mil retroreflective | 192-410.5cm | 76.6-161.6" |
| 100 mil retroreflective | 212.3-532.4cm | 83.6-209.6" |

- High density and High Visibility option available
- Optional adapter module with 10-pin connector for use with Intermec cabled scanners and wands

## Integrated Modem Option
- 33.6 Kbps transfer rate RJ11 connector and cable (6ft/2m)
- Operating: 0-50°C, 32-104°F
- Regulatory: UL Listed & C22.2 No.950 FCC Parts 15 & 68. Canada ICES-003 & CS03.
- SRAM expansion and RF upgradability not available.

## RF Upgradable
Can be retrofitted with integrated RF module
**Frequency:** 2.4 GHz frequency band, actual frequencies in use vary by country WLI Forum OpenAir
**Type:** Frequency Hopping Spread Spectrum
**Data Rate:** 1.6 Mbps, .8 Mbps fallback
**Range*:** From 1500+ ft (450+ m) to 500 ft (150 m) depending on environment

## IEEE 802.11b Wi-Fi Certified
**Type:** Direct Sequence Spread Spectrum
**Data Rate:** 11/5.5/2/1 Mbps with Auto fallback for increased range
**Range* at 1 Mbps:** From 1750 ft (533 m) to 165 ft (50 m) depending on environment
**Range* at 11 Mbps:** From 525 ft (160 m) to 80 ft (24 m) depending on environment
**Security:** Wired Equivalent Privacy (WEP) - 64 or 126 bit encryption
\* Unlimited range with roaming

## Accessories
Handstrap, holster, belt clip, pistol grip handle, vehicle mount holder, battery charger, battery pack, serial adapter and communications dock, User Manual, Programmer's Software Kit(PSK), EZBuilder™ Rapid Application Development software

## 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 300 339, Compliant with all European Directives, CE marked

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**CAUTION   ATTENTION**
· LASER LIGHT ·
DO NOT STARE INTO BEAM
LUMIERE LASER · NE PAS
REGARDER DANS LE FAISCEAU
630 - 680nm   1,0 mW
CLASS II LASER PRODUCT
PRODUIT LASER CLASSE II
**CAUTION -** LASER LIGHT WHEN OPEN DO NOT STARE INTO BEAM
**ATTENTION -** LUMIERE LASER LORS DE L'OUVERTURE NE PAS REGARDER FIXEMENT DANS LE FAISCEAU
MANUFACTURED: