



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



2 4 2 0 H A N D H E L D C O M P U T E R

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.



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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 Symbolologies

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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