

HAND-HELD TERMINAL

2420

Benefits:

- **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**

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 and 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.

2420

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

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 Scanning Module 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

Serial Data Communications

Optical (sealed) serial interface

RS232-C up to 38.4 baud

XMODEM, YMODEM for data transfer

Supports Configurable Serial Protocol and XON/XOFF

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, PDF-417 supported using tethered scanner

RF Upgradable

2.4 GHz Open Air or IEEE 802.11b High Rate

Up to 11 Mbits/sec.

Up to 150m (500 ft.) range indoors,
533m (1750 ft.) outdoors

Direct Sequence or Frequency Hopping Spread Spectrum

Programmability

Microsoft® C with Programmer's Software Kit (PSK)

E2Builder™ Rapid Application Development software tool

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)

Environmental

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

Accessories

- Battery charger, battery pack
- Holster, belt, belt clip, handstrap, pistol grip handle
- Vehicle mount holder for industrial trucks
- Serial communications dock (also trickle charges)
- Optical serial adapter
- 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

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.



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