

## HAND-HELD COMPUTER

## 5020

**Benefits:**

- **Windows CE Open systems design**
- **Remote Web based management and support tools**
- **Ergonomic design includes large, 1/4 VGA graphics display**
- **Intelligent data routing reduces end-user training and user errors**
- **Hardware and Software expandability provides investment protection**

The Intermec 5020 Data Collection PC is part of an open systems *Enterprise* Data Collection solution that makes operations more efficient.

Based on the Microsoft Windows CE operating system, the 5020 supports the most commonly used tools and protocols making the device quicker and easier to implement, resulting in faster return on investment. The 5020 supports programming environments such as Visual Basic, Visual C++, HTML and JScript. It also supports standard TCP/IP so that it can easily be linked directly into a corporate Intranet. To make management of the 5020 quicker, easier, and significantly less expensive, it supports standard SNMP. Each unit comes standard with remote configuration and management capabilities that can be accessed over the Internet from a desktop PC web browser.

The 5020 combines Windows CE with wireless networking, graphics and a value-added "intelligent data server" that allows users to perform complex, even multiple, tasks simply, without even being aware of it.

The 5020 maximizes software "up time" by utilizing the following features:

- **Remote file management:** to allow software on portable devices to be maintained from a remote PC with a web browser.
- **Windows security:** to prevent user tampering
- **Versioning:** to prevent software upgrades and enhancements from introducing system incompatibilities



Available PC-Card and Compact Flash card slots ensure that the device can take advantage of the latest technologies used in data collection applications. PC-Card radio technology provides the option to upgrade to new radio technologies and protect the hardware investment. Compact Flash technology supports the addition or enhancement of the latest software technologies or applications and also provides temporary storage facility for the increasing amounts of data that can be made available with 2-D bar codes, RFID tags, and higher bandwidth wireless networks.

## 5020

**Physical Characteristics**

**Width:** 10.2 cm (4") at display; 7.0 cm (2.75") at grip

**Depth:** 7.1 cm (2.8") max; 4.572 cm (1.8") at grip

**Length:** 22.9 cm (9.0")

**Weight:** 672g (24 oz.)

**Display**

1/4 VGA monochrome

8.4 cm (3.3") diagonal 5.1 cm x 6.73 cm (2" x 2.65")

Graphics capable

**Keyboard**

Elastomeric 43-key with full alphanumeric functions, full-sized numeric keys, and 10 dedicated function keys

Languages supported include English, French, German, Italian, Portuguese, Spanish, Finnish, Swedish, Danish, and Norwegian

**Environmental**

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

**Storage:** 0° to 60°C (32° to 140°F)

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

**Shock and Vibration Protection:** Withstands multiple 5-foot drops to concrete

**Rain and Dust:** Sealed to IP54

Meets Mil-Std 2880E

**Bar Code Scanning Options**

Integrated visible laser diode scanner

U.S./Canada Class II. International Class 2

**Depth of Field—Standard Range (670nm)**

|                         |                             |
|-------------------------|-----------------------------|
| 5 mil                   | 9.4 - 15.7 cm (3.7 - 8.2")  |
| 10 mil                  | 7.4 - 35.3 cm (2.5 - 13.9") |
| 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 retroreflective  | 105 - 151 cm (41 - 59")     |
| 100 mil retroreflective | 113 - 227 cm (44 - 89")     |

**Depth of Field—Long Range (650nm)**

|                         |                                  |
|-------------------------|----------------------------------|
| 5 mil                   | 29.5 - 49.8 cm (11.6 - 19.6")    |
| 10 mil                  | 21.8 - 85.3 cm (8.5 - 33.6")     |
| 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 retroreflective  | 192 - 410.5 cm (76.8 - 161.6")   |
| 100 mil retroreflective | 212.3 - 532.4 cm (83.6 - 209.6") |

Optional 10-pin connector for use with Intermec cabled scanners and wands

**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 Options**

OpenAir 2.4 GHz (Frequency Hopping Spread Spectrum)

100 mW max output power

**Data speed:** 1.6 Mbps

Coverage > 80m

802.11 2.4 GHz (Direct Sequence Spread Spectrum)

100 mW max output power

**Data speed:** 11.0 Mbps

Coverage > 80m

**Connectivity Options**

Winsock 1.1 (subset)

TCP/IP, SLIP, IRDA, IRSOCK

LAN using NDIS

UDP+

WinINet

UDP, FTP, HTTP

**Hardware**

Hitachi SH3, 80 MHz, 32-bit RISC processor

16 MB RAM

16 MB Flash (32 MB Optional)

PC-Card slot for radio, modem, or memory

Compact flash card slot for memory expansion

**Software**

Microsoft Windows CE operating system version 2.12\*

Internet Explorer 4.0 web browser with J-Script support

Intrinsyc HTTP Web Server

Local and remote browser-based unit configuration and management utility

**Interfaces**

DB9 Serial via Serial Link Adapter

Optional RJ-45 serial connector (in place of integrated scanner)

**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**

Optional handle with trigger scan activation, Serial communications adapter, Charge dock with IRDA Communicator, Charge dock with serial communications, 4-pack battery charger, Holster, Users manual, Software Developers Kit (SDK)

\* Intermec does not guarantee compatibility of software developed for dedicated Microsoft Windows CE devices such as Palm PC, Handheld PC and Handheld PC Pro. For best results, use the Intermec 5020 Software Developer Kit.

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