Intermec

Product
Profile

- **Patented Vista™ Technology**

- **Integrated 2.4 GHz OpenAir or IEEE 802.11b Wi-Fi certified radio options**

- **Small, lightweight design**

- **Flexible application environments**

- **Industry standard development and connectivity tools**

- **Long lasting Lithium-Ion battery for full shift operation**

- **Survives 4-foot drops to concrete**

V I S T A
POWERED™

WiFi™
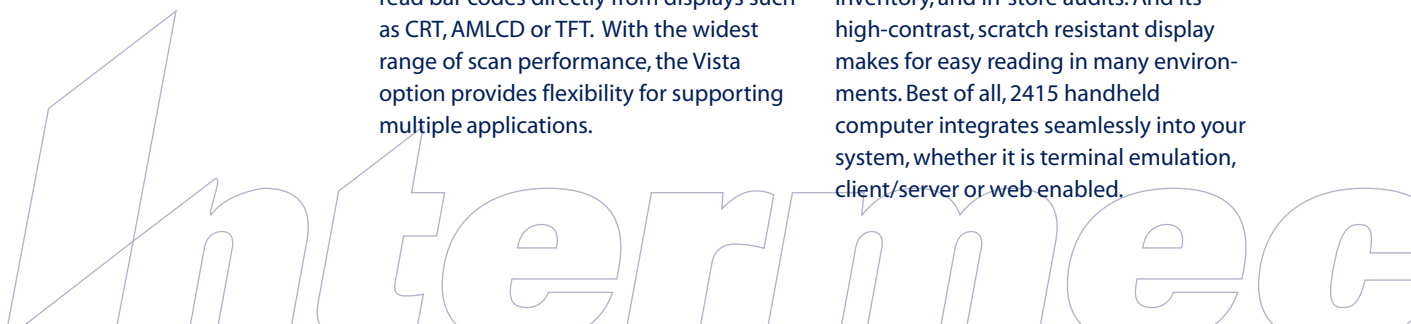The Standard for
Wireless Fidelity.

2 4 1 5 H A N D H E L D C O M P U T E R

The small size, durability and light weight of the 2415 wireless handheld make it ideally-suited for a wide range of data collection operations in industrial, retail, warehousing, logistics, manufacturing, and healthcare applications. The IEEE 802.11b radio provides high throughput, fast response times, long range and interoperability with other products from Intermec and additional suppliers. Optional factory loaded software for terminal emulation, TE2000, and web-enabled text browsing, dcBrowser™, protect your investment by ensuring easy system expansion as your operations embrace new technologies.

The 2415 combines the exceptional speed and performance of Intermec's patented Vista technology with the range and precision of laser scanners. The ability to read damaged, low contrast, laminated and high density bar codes far exceed that of laser. An additional feature of Intermec's linear imager is its ability to read bar codes directly from displays such as CRT, AMLCD or TFT. With the widest range of scan performance, the Vista option provides flexibility for supporting multiple applications.

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. Also, the flexible architecture of the 2415 includes integration options for terminal emulation, client/server, or browser-based applications. And as a member of the 2400 family, the 2415 can utilize software developed for other 2400 products, such as the 2435 or 2425 handheld computers, without modification. Just load your executable and go.

The 2415's long-lasting batteries will allow for a full day's work without recharging. Its state-of-the-art Lithium-Ion battery options are easy to recharge and can run 8 to 12 hours on a single charge. That makes the 2415 ideal for time-intensive applications, such as serialized inventory receipts, re-stocking inventory, and in-store audits. And its high-contrast, scratch resistant display makes for easy reading in many environments. Best of all, 2415 handheld computer integrates seamlessly into your system, whether it is terminal emulation, client/server or web enabled.

Physical Characteristics

Length: 19.3 cm (7.6")
Height: 5.6 cm (2.2") at scanner; 4 cm (1.2") at grip)
Width: 8.4 cm (3.3") at scanner; 5 cm (2") at grip
Weight: (with standard battery): 422g (14.9 oz.)

Standard Features

- Integrated IEEE 802.11b or 2.4 GHz 802.11 OpenAir radio
- Compact, lightweight design
- Flexible application environments
- Industry standard development and connectivity tools
- Long lasting Lithium Ion battery for full shift operation
- Survives multiple 4-foot drops to concrete without Service Interruption

Power

Battery Type: Lithium Ion battery pack, standard and high capacity
Battery Life: Standard 6-10 hours High capacity 8-12 hours

Hardware

Memory:
Standard: 1MB RAM, battery backed. 2MB non-volatile flash
Optional: Additional 2MB non-volatile flash. (4MB total)
Interfaces: Built-in 16 pin I/O connector for attaching Intermec decoded and undecoded scanners and for RS-232 local device communications
Display: Configurable CGA compatible LCD display with backlight. 16 lines by 20 characters per line display (160x128 dot matrix)
Full 25 x 80 virtual screen with viewporting
Keyboard: Elastomeric 55-key with full alphanumeric set with function keys, 37-key larger alphanumeric, or 37 key function numeric. Options for European, IBM 5250, IBM 3270 and VT/ANSI layouts.

Software

Programmable: Microsoft C++, EZBuilder™
Terminal Emulation: IBM 3270 and 5250 for SNA and TELNET; VT/ANSI ANSI, VT100, VT220, VT320, and Screen mapping

Connectivity

- DHCP Client
- Direct TCP/IP Support
- Sockets interface or terminal emulation
- Network Ethernet or Token Ring

Bar Code Scanning Module Options

Integrated visible laser diode scanner and linear imager options. Built-in 16 pin I/O connector for use with Intermec cabled scanners and wands is standard.
Standard and Long Range Scanners: USA/Canada Class II, International Class 2
Advanced Long Range Scanner option: USA/Canada Class II, International Class 3A

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	75.6-162"
100 mil retroflective	212.3-532.4 cm	83.6"-209.6"

Depth of Field–Linear Imager

2 mil	2-5 inches
5 mil	2-11 inches
10 mil	1.8-14 inches
12 mil	1.5-15 inches
20 mil	1.5-16 inches
40 mil	1.5-19.7 inches

*Measured for Code 39

Tables for High Density, Advanced Long Range, & High Visability Available upon request.

Integrate RF Module

Wi-Fi compliant IEEE 802.11b
Radio type: Direct Sequence Spread Spectrum
Output power: 100 mW max
Data speed: 11 / 5.5 / 2 / 1 Mbps with auto-fallback for increased range
Coverage: >80 m
Range at 11 Mbps: 160 m (525 ft outdoors, 24 m (80 ft) indoors)
2.4 GHz WLI Forum OpenAir Compatible
Radio type: Frequency Hopping Spread Spectrum
Output power: 100 mW max
Data speed: 11 Mbps
Coverage: >80 m
Range at 1.6 Mbps: Up to 150 m (500 ft) indoors and up to 300 m (1,000 ft) outdoors

Accessories

Powered charging communications dock, handstrap, pistol grip handle, battery charger, standard or high performance battery pack, holster, belt loop, user's manual, serial adapter (16 pin to DB9), Programmer's Software Kit (PSK), EZBuilder™ Rapid Application Development Software

Environment

Operating Temperature: -10° to +50℃ (14° to 122℉)
Storage Temperature: -20° to 60℃ (-4° to 140℉)
Humidity: Non-condensing (0 to 95% RH)
Shock and Vibration Protection
Rain and Dust Resistent
Drop Survival: Warranted for multiple 4-foot drops to concrete

Regulatory Approvals

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

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