Intermec

Product
Profile

- **Supports industry standard communications**

- **2.4 GHz or 802.11b 11 Mbps radio**

- **Fast and easy integration options for terminal emulation or client/server**

- **Flexible connectivity choices**

- **Large, high contrast display**

- **Rugged casing**

Intrinsically Safe model 2425 DS

WiFi™
The Standard for
Wireless Fidelity.

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

The 2425 is the more ruggedized wireless model of the 2400 family hand-held line of data collection terminals. It is a cost-effective and reliable solution for collecting data in manufacturing, distribution and warehouse environments. An Intrinsically Safe model provides protection in hazardous areas containing gas, vapors and dust.

For fast and easy implementation, the 2425 integrates with common host environments using standard protocols. Configure the 2425 with TCP/IP for a direct connection to your Ethernet or Token Ring LAN or connect to Ethernet and IBM networks through the DCS 300 Server, which also provides guaranteed host connection and network management services.

With a contoured shape and centered scan button, the 2425 is comfortable to use in either hand. The large display provides enough space for menus, help screens or even graphics. It is tilted to improve readability while scanning, and the alphanumeric keyboard provides tactile feedback with the frequently used numeric keys oversized for easier input.

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Physical Characteristics
Length: 26.9 cm (10.6")
Height: 7.1 cm (2.8") at scanner, 5.7 cm (2.3") at grip
Width: 8.2 cm (3.2") at scanner, 6.4 cm (2.5") at grip
Weight: 766 g (27 oz.) including battery

Environment
Operating: -20° to 50°C (-4° to 122°F)
Storage: -20° to 60°C (-4° to 140°F)
Humidity: Non-condensing (0 to 95% RH)
Shock and Vibration Protection:
Warranted for 5-foot drop to concrete
Meets MIL-STD 28800E

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

Memory
RAM Memory: 1MB
Non-volatile Flash Memory: 2MB
Option for 2MB additional, 4 MB total

Interfaces
• Optical Serial Interface
• RS232-C up to 38.4 baud
• XMODEM, YMODEM for data transfer

Display
• CGA compatible backlit LCD displaying 16 lines of 20 characters per line (160 x 128 dot matrix) plus graphic status icons

Keyboard
• Elastomeric 56-key with full alphanumeric set, function keys and oversized numeric
• Options for U.S., Multilingual European, IBM 5250, IBM 3270 and VT/ANSI layouts

Software
Programmable: Microsoft® C/C++, EzBuilder
Terminal Emulation: IBM 3270 and 5250 SNA and TELNET; ANSI/VT 100, 220, 320 TELNET; Screen mapping
Web-based: dcBrowser™ for HTML applications

Connectivity
• Direct TCP/IP Support
• DHCP Client
• Sockets interface or terminal emulation

Bar Code Symbologies
Code 39, 2 of 5, Interleaved 2 of 5, Codabar, UPC/EAN Code 128, Code 11, Code 93, Plessey, MSI, Code, 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"

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"

*Measured for Code 39
• High Density, High Performance and PDF 417 options available
• Optional adapter module for use with cabled scanners and wands

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 128 bit encryption
*Unlimited range with roaming

Host Support via DCS 300 Server
Host Environment: IBM AS 400, S/390, Digital, HP, UNIX, Windows NT
Connectivity: Ethernet, Token Ring, 100BASET, Twinax, Coax, SDLC
Communications: TCP/IP, SNA

Accessories
Handstrap, holster, belt clip, pistol grip handle, vehicle mount holder, battery charger, battery pack, serial adapter and communications dock, User manuals, Programmer's Software Kit (PSK)

Regulatory Approvals
UL Listed, UL 1950 and C22.2 No. 950, TÜV GS Licensed, 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

Intrinsically Safe Model 2425 DS
Please contact your Intermec representative for configurations available

Regulatory Approvals
UL Listed, UL 913 and C22.2 No. 157 Division 1: Class I - Groups C & D
UL Listed UL 1604 & C22.2 #213 Division 2, Class I Groups A, B, C & D
UL Listed UL 1604 only Division 2, Class II Groups F & G
SIRA Certified to CENELEC EN 50020 and ATEX Directive. Rated EEx ia 11b T4

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CAUTION   ATTENTION
LASER LIGHT -   - LUMIERE LASER - NE PAS
DO NOT STARE INTO BEAM   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
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