

Product Profile



- Large, programmable display ensures flexibility and increased efficiency by allowing an application to display more text or larger fonts
- Standard development and connectivity tools enable rapid deployment and maximize return on investment
- Rugged, sealed case and cold temperature option work in the harshest environments
- Full-shift battery performance extends productivity on the job
- Optional RF connectivity delivers real-time supply chain information for manufacturing, warehousing, distribution and retail applications
- Choose from function-numeric or full alpha-numeric keypad options

2 4 3 0 / 2 4 3 5 H A N D H E L D C O M P U T E R

The rugged 2430 batch and 2435 radio-enabled handheld computers join Intermec's versatile wireless thin-client 2400 product family, which includes the 2415 & 2425 handhelds, 2455 & 2475 vehicle mounts, and 2485 & 2486 stationary computers. For years, customers from a variety of industries have favored the 2400 series' reliability, ease of integration and inherent investment protection. Customers' applications run seamlessly on all products within the family without the need to reprogram or recompile.

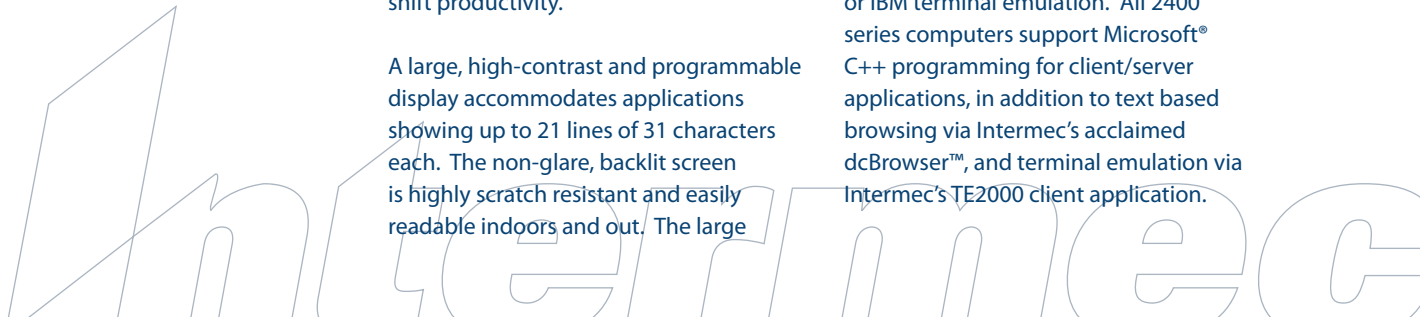
Intermec's ergonomic 2430 and 2435 handheld computers excel in scan-intensive applications such as retail price verification and cycle counting that require rapid, reliable scanning, while minimizing user fatigue. Additionally, whether in the store, warehouse or factory, workers will appreciate the long lasting battery designed to provide full-shift productivity.

A large, high-contrast and programmable display accommodates applications showing up to 21 lines of 31 characters each. The non-glare, backlit screen is highly scratch resistant and easily readable indoors and out. The large

display provides continuity and investment protection for customers whose applications require it.

The keypads for the 2430 and 2435 come in a variety of layouts, including function-numeric and full alpha-numeric options, with large elastomeric keys that provide positive tactile feedback and are engineered for unprecedented durability. A loud-to-soft customizable beep confirms scans in noisy environments. For greater scanning comfort and convenience, the 2430 and 2435 offer single-handed operation with center and side scanning buttons, as well as an optional, removable pistol grip handle. The battery can be easily changed even with the handle in place.

As with all 2400 series computers, the 2435 supports the Wi-Fi IEEE 802.11b wireless and TCP/IP standards, and can be factory configured with VT/ANSI or IBM terminal emulation. All 2400 series computers support Microsoft® C++ programming for client/server applications, in addition to text based browsing via Intermec's acclaimed dcBrowser™, and terminal emulation via Intermec's TE2000 client application.



Physical Characteristics

Length: 25.4 cm (10 in)
Width: 10.16 cm (4 in) at display
Height: 4.57 cm (1.8 in) at grip
Weight: 708.7 g (25 oz) with battery

Environment**Operating Temperature:**

-20 to 50 degrees C (-4 to 122 degrees F)

Optional Heater:

-30 degrees C (-22 degrees F)

Storage Temperature:

-20 to 50 degrees C (-4 to 122 degrees F)

Recharging Temperature:

0 to 40 degrees C (32 to 39.2 degrees F)

Humidity: 0 – 90% relative humidity (non-condensing)

Shock and Vibration Protection: 10 to 100 Hz @ 2g'sRMS (Random) on three axes; 50-250 Hz @ .25g's RMS (Random) when in Dock

Rain and Dust Resistance: IP54

Drop Survival: Withstands multiple 5-foot drops to concrete

Power

Battery Pack: 7.4V, 1500 mAh Lithium ion

Battery Life: 8 hr. minimum at typical usage level

AC Adapter/Recharging: Internal battery via AC adapter, powered vehicle dock or multi-battery gang charger.

Hardware

Memory: 1MB RAM / 4 MB Flash

Interfaces: RS-232, RF.

Connector module supports 6-pin mini-DIN for serial, unit cloning and power, 9 pin-D sub for either decoded or non-decoded scanner support and vehicle dock connector for serial comm. and power

Display: Configurable LCD display supporting up to 21 lines by 31 characters (160 x 128 pixels) with black on white electroluminescent backlighting. Lens is scratch resistant for durability and non-glare for maximum readability indoor and outdoor.

Keypad Options: Elastomeric 48 and 57-key with full alphanumeric or 39-key larger numeric with function keys and shifted alpha.

U.S. and European character sets, IBM 3270 and IBM 5250, and VT/ANSI template overlays.

Software

Programmable: Microsoft® C/C++, PSK

Terminal Emulation: 5250, 3270, VT220

Connectivity: TCP/IP with DHCP, Berkeley socket interface; UDP Plus

Bar Code Symbologies

Code 39, UPC/EAN, Code 128, Interleaved 2 of 5 and non-Interleaved 2 of 5, Codabar, Code 93, Code 11, Plessey, MSI, PDF-417(*)

(*) Supported via tethered scanner

Bar Code Scanning Options

Integrated visible laser diode scanner or linear imager.

Adapter module 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* - Linear Imager

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

Depth of Field* - Standard Range (670 nm)

5 mil	9.4 – 15.7 cm	3.7 – 6.2 in
10 mil	7.4 – 35.3 cm	2.9 – 13.9 in
20 mil	10.2 – 63.5 cm	4 – 25 in
30 mil	10.2 – 86.4 cm	4 – 34 in
40 mil	12.7 – 99 cm	5 – 39 in
55 mil	19.1 – 126 cm	7.5 – 49 in
55 mil retroreflective	105 – 151 cm	41 – 59 cm
100 mil retroreflective	113 – 227 cm	44 – 89 in

Depth of Field* - Long Range (650 nm)

5 mil	29.5 – 49.8 cm	11.9 – 19.6 in
10 mil	21.8 – 85.3 cm	8.6 – 33.6 in
20 mil	21.8 – 98 cm	8.6 – 38.6 in
30 mil	24.4 – 192 cm	9.6 – 75.6 in
40 mil	24.4 – 204.7 cm	9.6 – 80.6 in.
70 mil	192 – 410.5 cm	76.6 – 161.6 in
100 mil retroreflective	212.3 – 532 cm	83.6 – 209.6 cm

*Measured for Code 39.

Integrated RF Option**Internal Antenna:**

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)

Accessories

Powered and non-powered vehicle dock, handstrap, pistol grip handle, battery charger, battery pack, user's manual, Programmers Tool-Kit (PSK & EZBuilder™)

Regulatory Approvals

UL Listed, UL 1950 and C22.2 No. 950, TÜV, Rheinland GS, EN 60950 and EN 60825-1, FCC Part 15, Canada, ICES-300 Class B, EN 55022 / CISPR 22, Class B, EN 55024. Compliant with all European directives, CE marked.

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