

# 730

## I-Safe Color Mobile Computer



- For use in industrial locations where flammable gases, combustible dusts or ignitable fibers may be present.
- Powerful Intel® XScale™ processor
- Microsoft® Windows® Mobile software for Pocket PC
- Built-in wireless LAN and Bluetooth® connectivity for communication without wires
- Advanced linear imaging technology to read barcodes quickly and reliably
- Bright color display provides easy readability under all lighting conditions
- Ergonomically designed for comfortable full-day use
- Part of a comprehensive solution including printers, application software, communications infrastructure products, peripherals, and accessories

Intermec's 730 Intrinsically Safe (I-Safe) certified device provides for the ability to extend the 700 Color Series mobile application benefits into hazardous industrial locations where flammable gases, combustible dusts or ignitable fibers may be present.

Building on the standards set by the highly configurable 700 Color Series, the 730 model provides a defined feature set which includes a sharp color display, local area and personal area (Bluetooth®) wireless radios, as well as a linear imager that delivers high-speed barcode reading performance.

The introduction of hazardous environment certifications within the successful 700 Series product offering allows for

cross-departmental standardization for both hazardous and non-hazardous environments, minimizing your enterprise's total cost of ownership.

Meeting the stringent Underwriters Laboratory (UL) certification requirements for Division 1, Class I, Class II or Class III; the 730 device is tough enough to handle the daily rigors of your frontline business.

Whether your application is standalone, client-server, browser-based, or terminal emulation, the 730 is the right tool.

**Physical Characteristics**

**Length:** 178 mm (7.0 in.)  
**Width:** 89 mm (3.5 in.)  
**Height:** 38 mm (1.5 in.)  
**Weight:** 493 grams (17.6 oz)

**Environmental**

**Operating Temp:** -10 to 40°C (+14° to +104°F)  
**Storage Temp:** -20° to +60°C (-4° to +140°F)  
**Relative Humidity:** 5% to 95% (non-condensing)  
**Rain and Dust Resistance:** IP54 compliant  
**Drop Spec:** Underwriters Laboratory (UL) 1m (3.3') drop specifications

**Power**

**Battery Type:** Lithium-Ion, 3.6V, (1 x2400 mAh cell), customer replaceable  
**Battery Capacity:** 8.64 Watt-hours  
**Recharging Time:** 4 hours with multi-pack battery charger

**Microprocessor**

Intel® XScale™ PXA255 Applications Processor, 400 MHz

**Operating System**

Microsoft® Windows® Mobile software for Pocket PC

**Memory and Storage**

**RAM Memory:** 64 MB  
**Flash ROM:** 64 MB; includes ROM folder for application storage

**Expansion Slot**

256 MB Secure Digital (SD) customer accessible outside of hazardous environment

**Display**

Transflective TFT all-light readable color display with LED backlight, 240x320 pixels, 89 mm (3.5 in) diagonal, 64 K colors

**Standard Communications**

RS232, USB, IrDA 1.1 (115 kbps)

**Integrated Wireless**

802.11b WLAN (Wi-Fi® certified)  
 Bluetooth® compatible module

**Integrated Scanner Options**

Linear imager

**Cisco Compatible Extensions**

Version 1 Supported  
 LEAP  
 CKIP  
 VLAN

**Regulatory Approvals**

FCC Part 15 Class B  
 UL Listing

**Hazardous Certification**

Underwriters Laboratories, Inc. approval for U.S. and Canada  
 Class I, Division 1, Groups C, D  
 Class II, Division 1, Groups F, G  
 Class III, Division 1  
 Temperature Code T4 ( $\leq 135^\circ\text{C}$ )

**Imager Specifications**

Density	Minimum	Maximum
4 mil (0.1mm)	3.7 in. (95 mm)	5.4 in. (136 mm)
12 mil (0.3mm)	1.8 in. (45 mm)	9.4 in. (240 mm)
20 mil (0.5mm)	1.7 in. (44 mm)	11.8 in. (300 mm)
39 mil (1mm)	4.7 in. (120 mm)	15.7 in. (400 mm)
100% UPC	1.8 in. (45 mm)	9.4 in. (240 mm)
25% UPC	2.4 in. (61 mm)	6.2 in. (157 mm)

**Key Accessories**

For use in hazardous environments  
 256 MB SD Storage Cards  
 Scanning Handles

**For use in non-hazardous environments**

Desktop connectivity docks  
 Battery Pack chargers  
 Printers

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