

VEHICLE-MOUNT TERMINAL

# 2455

**Benefits:**

- **Modular design minimizes operator visual obstruction**
- **Small size and flexible mounting**
- **Shock, temperature and environmental protection**
- **Configurable according to user requirements**
- **Supports industry standard communications and 2.4 GHz radio**

The 2455 is a versatile, high performance and economical solution for data collection applications using industrial vehicles such as forklift trucks and stock pickers.

The two piece design of the terminal allows the operator to separate the display and keyboard or conventionally mount as one unit. The modularity and small size easily adapts to space constraints common with today's smaller forklifts. Unique bracket design on the terminal provides unlimited viewing angle and positioning choices.

Industrial casing protects the terminal from dust, dirt and rain. The 2455 can tolerate very cold temperatures outdoors or usage in freezers. Wide ranging power supply options make installation in virtually all industrial vehicles easy. The 2455 is built to sustain real-world conditions such as constant shock, vibrations and power fluctuations common to industrial vehicles.

The terminal integrates with most common host environments, either directly to the network, or through a data collection server which provides additional network management benefits. IBM and VT terminal emulation elimi-



nates the need to re-program host applications. In addition, TCP/IP network support provides similar ease of integration in client/server environments.

The 2455 incorporates 2.4 GHz radio support for wide area coverage and interference immunity and interoperability with other WLI Forum OpenAir products.

## 2455

**Physical Characteristics**

**Display Unit:** 28.4 x 15.2 x 10.7cm  
(11.2" x 6" x 4.2") 4.04kg (8.9lbs)

**Keyboard:** 28.4 x 10.4 x 4.3cm  
(11.2" x 4.1" x 1.7") 1kg (2.2lbs)

**Power Supply:** 16.5 x 11.4 x 2.5cm  
(6.5" x 4.5" x 1") .73kg (1.6lbs)

**Display**

**Full Screen:** 25 lines by 80 characters or configurable oversized characters including 13 x 80, 25 x 40, or 13 x 40

**Display Options:** Transmissive LCD CGA display for standard environments

EL (electroluminescent) CGA display for cold or bright locations

**Keyboard**

**Layout:** ABCD keyboard layout with five function keys, oversized numeric keypad

F1-F10 function keys also available on display unit

Standard PC-AT keyboard interface for optional keyboards (req. adapter cable)

Options for U.S. Multilingual, European, IBM 5250, IBM 3270, and ANSI/VT

**Environment**

**Operating Temperature:**  
Standard Unit -10° to +50°C (14° to 122°F)

**Cold Temperature Option:**  
-30° to +50°C (-22° to 122°F)

**Storage Temperature:**  
-20° to 60°C (-4° to 140°F)

**Humidity:** 10 to 90% non-condensing

**Shock & Vibration:** Vibration tested to SAE J-1399 Class 2, MIL STD 810D

**Sealing:** Sealed against dust and moisture to NEMA 3 and IP54

**Power**

**Primary:** 12V to 80VDC universal power supply with surge, over-voltage, and reversal protection

**Memory Backup:** Rechargeable NiCad

**Memory**

**RAM Memory:** 1MB

**Non-volatile Memory:** 2MB Option for 2MB additional, 4MB total

**Extended Storage:** 2, 4MB SRAM

**Wireless LAN Characteristics**

**Frequency:** 2.4 GHz frequency band, actual frequencies in use vary by country

**WLI From 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 High Rate - WiFi Certified**

**Type:** Direct Sequence Spread Spectrum

**Data Rate:** 115.5/2/1 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 180 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 AS400, 5/390, Digital, HP, Unix, Windows NT

**Connectivity:** Ethernet, Token Ring, 100BaseT, Twinax, Coax, SDLC

**Communications:** TCP/IP, SNA

**Direct TCP/IP Support**

Sockets interface or terminal emulation

Network Ethernet or Token Ring

**Software Configurations**

**Programmable:** Microsoft C

**Terminal Emulation:** IBM 3270 and 5250 SNA and TELNET, ANSI/VT, TN5250, TN3270, Screen Mapping

**Web-based:** dcBrowser™ for HTML applications

**Interfaces**

**Local Device Communications:**  
Auxiliary RS-232

**Laser Scanners:** 10-pin connector for use with Intermec cabled & wireless laser scanners

**Accessories**

- Programmers Software Kit (PSK)
- EZBuilder™ Rapid Application Development Software

**Regulatory Approvals**

FCC - Part 15.247 Certified, Canada - RSS 210 Certified, ETS 300 328 Type Approved, EN 55022 / CISPR 22 Class B, FCC Part 15 & ICES-003 Class A, SCT Certified, NOM - EM-121, pending, AS 3548 - C tick Marked, Compliant with all European Directives, CE Marked (prETS 300 826), UL Listed, UL 1950, C22.2 #950 & IEC 60529-IP54, TUV Licensed, EN 60950 & EN 60529-IP54, NYCE Certified, NOM 19

Intermec reserves the right to make changes without notice to any products herein for any reason at any time, including but not limited to improving the reliability, form, fit, function or design. Please contact Intermec for current price list and availability.

**Internet** • www.intermec.com **Sales** • 800.347.2636 (toll free in N.A.), 425.348.2726 **Service and Support** • 800.755.5505 (toll free in N.A.), 425.356.1799

**North America**  
Corporate Headquarters • 6001 36<sup>th</sup> Avenue West, Everett, Washington 98203, tel: 425.348.2600, fax: 425.355.9551  
Systems & Solutions • 550 2<sup>nd</sup> Street S.E., Cedar Rapids, Iowa 52401, tel: 319.369.3100, fax: 319.369.3453  
Media Supplies • 9290 Le Saint Drive, Fairfield, Ohio 45014, tel: 513.874.5882, fax: 513.874.8487

**Europe/Middle East & Africa**  
Headquarters • Sovereign House, Vastern Road, Reading, Berkshire RG1 8BT, United Kingdom, tel: +44.118.987.9400, fax: +44.118.987.9401  
Gothenburg • Idrottsvägen 10, P.O. Box 123, SE-431 22 Mölndal, Sweden, tel: +46.31.869500, fax: +46.31.869595

**Asian Pacific/Latin America**  
Hong Kong • 26-12 Shell Tower, Times Square, 1 Matheson Street, Causeway Bay, Hong Kong, tel: 852.2574.9777, fax: 852.2574.9725  
Singapore • 25-16 International Plaza, 10 Anson Road, 079903, tel: 65.324.8391, fax: 65.324.8393  
Australia • 15 Stamford Road, Oakleigh, Victoria 3166, tel: 61.3.9563.0000, fax: 61.3.9563.4000  
South America and Mexico • 2572 White Road, Irvine, California 92614, tel: 949.975.1905, fax: 949.975.1913

**Worldwide Fax Document Retrieval Service** • 800.755.5505 (North America Only) • tel: 650.556.8447

Copyright © 2000 Intermec Technologies Corporation. All rights reserved. Intermec is a registered trademark of Intermec Technologies Corporation. All other trademarks are the property of their respective owners. Printed in the U.S.A. 608454-01C 11/00

In a continuing effort to improve our products, Intermec Technologies Corporation reserves the right to change specifications and features without prior notice.