

## Product Profile

- Compact and economical solution for industrial vehicle mount applications
- Standard development and connectivity tools enable rapid deployment and maximize return on investment
- IEEE 802.11b RF connectivity delivers real-time supply chain information for manufacturing, warehousing, distribution and retail applications
- Wi-Fi™ compliance ensures interoperability and investment protection
- Fast and easy integration options for terminal emulation, client/server, or browser-based applications



### 2 4 7 5 VEHICLE MOUNT TERMINAL

The 2475 is a versatile, high performance and economical terminal for real-time data collection applications using industrial vehicles such as forklift trucks and stock pickers. It is ideally suited for applications such as receipts, cross docking and shipping.

Built to last with a compact die cast aluminum case, the 2475 complies with environmental IP54. The 2475 terminal is designed to withstand the punishments of the typical warehouse application such as constant shock, vibration and power fluctuations common to industrial vehicles. Beyond its ruggedness, the 2475 incorporates the latest IEEE 802.11b Wi-Fi certified radio for premium wireless LAN performance to deliver timely and accurate data for mission critical manufacturing systems.

With the 2475, 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. The flexible architecture of the 2475 includes integration options for terminal emulation, client/server, or browser-based applications. And as a member of the 2400 family, the 2475 can utilize software that has been deployed to other 2400 terminals, such as the 2435 or 2415 handheld computers without modification.

As with all 2400 series terminals and computers, the 2475 supports the IEEE 802.11b and TCP/IP standards, and can be factory configured with VT/ANSI or IBM terminal emulation. All 2400 series computers support Microsoft® C/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.

Additional options for the 2475 include a variety of cabled and wireless laser scanners, wands, up-to-2 MB of additional Flash memory and 2 or 4 MB SRAM for extended programs and data storage.

**Physical Characteristics**

**Length:** 27.1cm (10.7in)  
**Height:** 26.5cm (10.4in)  
**Width:** 9.7cm (3.8in)  
**Weight:** 4.7kg (10.5lb)

**Standard Features**

- Wireless connectivity
- Compact, industrial design
- Robust data collection
- Flexible, open connectivity
- Rapid application development

**Power**

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

**Battery Type:** Memory backup – Rechargeable NiCad

**Hardware**

**Memory:** RAM Memory – 1MB Non-volatile memory, 2MB option for 2MB additional, 4 MB total.

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

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

**Laser Scanners:** Sealed connector for use with Intermec cabled & wireless laser scanners

**Display:** CGA compatible LCD with backlight. 12 lines by 40 characters per line display up to 24 lines.

**Keyboard:** Alphanumeric, 59 keys elastomeric; Qwerty layout; 5 separate function keys. Options for IBM 5250, IBM 3270 and ANSI/VT layouts.

**Software****Development Environments:**

Microsoft C/C++

**Terminal Emulation:**

IBM 3270, 5250, TN5250, TN3270 and ANSI/VT VT100, VT220, VT320

**Connectivity**

Serial Data Support  
 RS232-C up to 38.4 baud  
 XMODEM, YMODEM for data transfer  
 Supports Configurable Serial Protocol and XON/OFF

**Host Support Direct Connect**

**Host Environment:** IBM AS/400, S/390, Digital, HP, UNIX with Telnet Services

**Connectivity:** 2.4 GHz wireless

**Communications:** TCP/IP, DHCP

Supported

**Terminal Emulation:** TN 5250, TN 3270, VT/ANSI

**Host Support via DCS300 Gateway**

**Host Environment:** IBM AS/400, S/390, Digital, HP, UNIX

**Connectivity:** 10/100 Mbps Ethernet, Token Ring, Twinax, Coax, SDLC

**Communications:** TCP/IP, SNA, TCP/IP socket pass through

**Terminal Emulation:** IBM SNA 5250, 3270, TN5250, TN3270, ANSI/VT

**Accessories**

Desktop power supply, User's Manual, Programmer's Software Kit (PSK)

**Environment**

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

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

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

**Shock and Vibration Protection:**

Vibration tested to exceed MIL STD 810D

**Rain and Dust Resistance:** Sealed against dust and moisture to IP54

**Wireless LAN Characteristics****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 1750ft (533m) to 165ft (50m) depending on environments

**Range\* at 11 Mbps:** From 525ft (160m) to 80ft (24m) depending on environment

**Security:** Wired Equivalent Privacy (WEP)

–64 or 128 bit encryption

\*Unlimited range with roaming

**Regulatory Approvals**

FCC – Part 15.247 Certified, Canada – RSS 210 Certified, TÜV GS Licensed, ETS 300 328 - ETS 300 328 Type Approved, EN 55022/CISPR 22 Class B, FCC Part 15 & ICES-003 Class A, SCT Certified NOM-EM-121, AS 3548 – C tick Marked, Compliant with all European Directives - RTTE, EMC and low voltage directives, CE Marked (EN 300 489-01)- ETS 300 826, UL Listed, UL 1950, C22.2 #950 & IEC 60529-IP54, TUV Licensed, EN 60950 & EN 60529 – IP54, NYCE Certified, NOM 19

**Restrictions On Use**

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## BARCODING, WIRELESS AND DATA COLLECTION

*Our customers turn to us to help them become more productive and profitable. TPI's expertise guarantees your project will be successful: on time, on budget and meet your ROI requirements.*

*TPI will facilitate your entire wireless and data collection project:*

- ✓ *Business analysis*
- ✓ *Project justification & ROI*
- ✓ *Wireless design, RF site survey and spectrum analysis*
- ✓ *WWAN, WLAN design & installation*
- ✓ *Custom software*
- ✓ *Integration w/legacy systems*
- ✓ *Mobile computers*
- ✓ *Data collection terminals*
- ✓ *Barcode printers, labels and scanners*
- ✓ *RFID solutions*
- ✓ *Configuration and deployment*
- ✓ *Training and installation*
- ✓ *Service and upgrades*
- ✓ *Remote device management and support*

*TPI can share best practices in data collection from a number of industries including wholesale distribution, manufacturing, healthcare and retail/consumer goods. Our expertise allows you to shorten your learning curve and increase your return on investment.*

Product specification sheet provided by TPI

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