

STATIONARY TERMINAL**248X****Benefits:**

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



The 248X Stationary Terminal delivers timely, accurate data for mission critical manufacturing systems. With a compact metal case, environmental sealing and power protection, the reliable 248X handles the most punishing industrial plants. It's ideal for work in process tracking, labor collection, and time and attendance applications.

The 248X Stationary Terminal includes two ports for bar code input devices and a serial port to connect a printer or scale. An optional integrated badge scanner, digital input/output and two additional serial ports accommodate the most demanding data collection requirements.

Choose Ethernet, wireless or serial connections to host computers. With the 2.4 GHz wireless models, you can easily change configurations of manufacturing work cells. The 248X supports client/server and terminal emulation host environments. It's also compatible with Intermec CrossBar® networks.

The Trakker Antares Stationary Terminal is programmable using industry standard, Microsoft® C. With EZBuilder™, Intermec's rapid application development tool, you can dramatically reduce development time and cost for creating shop floor solutions.

248X

Enclosure

Die cast aluminum case
NEMA5/IP53 sealing for dust, moisture and splashing

Physical Characteristics

Height: 24.4 cm (9.6")
Length: 27.2 cm (10.7"); 28.7 cm (11.3") with badge scanner
Depth: 9.9 cm (3.9")
Weight: 4.3 kg (9.5 lbs)

Displays

CGA compatible LCD with backlight
T2480/85: 4 lines by 40 characters per line
T2481/86: 12 lines by 40 characters per line Display up to 24 lines

Keypads

Alphanumeric: 59 key elastomeric; PC style QWERTY layout; 5 shiftable function keys
Oversized function/numeric: 35 key elastomeric; 10 separate function keys
Time and Attendance: 35 key membrane, 10 separate function keys
Terminal Emulation templates for IBM 5250, IBM 3270 and ANSI/VT

Input Ports

2 bar code input ports
Digital input/output: 4 optically isolated sense inputs; 4 two form C output relays, dry contacts
External speaker connection

Power

Operating: 95 - 250 volts AC, 50/60 Hz
Power protection: Handles 1 second dropouts
Memory Backup: Rechargeable NiCad battery pack

Bar Codes Supported

Code 39, 2 of 5, Interleaved 2 of 5, Codabar, UPC/EAN, Code 128, Code 11, Code 93 and 93i, Plessey, MSI, Code 16K, Code 49, PDF-417 and Code 1 supported using Intermec Janus 7010 Imager

Development Environments

Microsoft® C and Programmer's Software Kit
EZBuilder, Rapid Application Development Tool

Memory

RAM: 1MB Total
Non-volatile memory: 2MB; option for 2MB additional, 4MB total
Extended Memory: 2MB Flash; 2MB or 4MB SRAM

Wired Data Communication

Ethernet: 10BaseT
Serial Ports: RS-232, RS-232/422/485
Intermec Crossbar

Wireless Data Communication

2485/86 Models
Frequency Band: 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 High Rate - WiFi 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

Environment

Operating temperature: -20° to 50°C (-4° to 122°F)
Storage temperature: -20° to 60°C (-4° to 140°F)
Humidity: Non-condensing (0 to 95% RH)

Badge Scanner

Visible light badge scanner
Infrared light badge scanner

Host Support Direct Connect

Host Environment: IBMAS/400, S/390, Digital, HP, UNIX with Telnet Services
Connectivity: Ethernet, 2.4 GHz wireless, serial
Communication: TCP/IP, XMODEM/ YMODEM
Terminal Emulation: TN 5250, TN 3270, VT/ANSI

Host Support via DCS 300 Server

Host Environment: IBMAS/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, ANSI/VT 100, 220, 320, and Screen Mapping

Web-based: dcBrowser™ for HTML applications

Language Support

English, German, French, Italian, Spanish, Portuguese, Chinese, Japanese and Korean. Localized fonts, keypads and Getting Started Guide.

Supports additional single and double byte fonts.

Accessories

Wall or desk mount brackets, Programmer's Software Kit, EZBuilder, Adapter for third serial port (9 pin RS-232)

Regulatory Approvals

UL Listed, UL 1950 and C22.2 No. 950, TÜV Rheinland GS, EN 60950, FCC Part 15, Canada, RSS210 and ICES 003 Class B, EN 55022/CISPR 22, Class B, ETS 300 826, ETS 300 328, Compliant with European Directives CE Marked

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