

Falcon™ 330 & 335 Portable Data Terminals

Industrial Portable Data Collection Terminals

- **Powerful 486 class Processor**
- **DOS 6.22 Operating System**
- **8MB of RAM standard**
- **Internal Antenna and Built-in, Front-Shooting Laser**
- **Environmentally Sealed to an IP54 rating**
- **One internal PC Card Slot**
- **Supports leading wireless LANs including Cisco (Aironet), Lucent, Proxim, Symbol**
- **Compatible with IntelliTrack Warehouse Management System**
- **Legacy system interfacing with PowerNet Twin Client**

Falcon: Setting a New Standard

Fast, accurate, customizable real-time automatic data collection is the need of today's businesses striving for greater efficiency, productivity and cost-effectiveness. The Falcon series 330/335 by PSC is the answer. Open standards, powerful applications and ease of use allow these portable data collection terminals to integrate seamlessly into the supply chain systems of companies involved in logistics, manufacturing, retail, warehousing and distribution.

The Falcon 330/335 has a sleek, IP54 rated, environmentally sealed case and built-in, front shooting laser. It's powerful 486 class processor, running at 33 MHz, operates under DOS 6.22. The Falcon 330/335 comes with 8MB of RAM, 2MB of Flash ROM, an internal PC Card slot, a 16-line screen and 38 key alphanumeric keypad. Open architecture ensures easy application development. And the Falcon 335 wireless terminal is available with PowerNet Twin Client to support VT100, VT220, HP700/92, IBM 3270



Falcon Dock

and IBM 5250 terminal emulations, with screen formatter, allowing swift and simple integration into your existing legacy system.

While the Falcon 330 provides ideal batch data collection solutions, the Falcon 335, our latest wireless data collection terminal, excels in data collection over wide, on-campus areas where physical distances prohibit hardwiring or when real-time information is critical. Its internal antenna is protected and its 2.4GHz spread spectrum radio options include Cisco (Aironet), Lucent, Proxim and Symbol radio support for maximum flexibility.

The Falcon 335 has raised the bar in RF, real-time data collection technology.

With the international quality standards set by ISO 9000, Computer Integrated Manufacturing (CIM), Just In Time (JIT) and Total Quality Control (TQC), companies are required to have documented procedures and effective automated data capture applications, such as inventory control, work in progress, labor tracking, receiving-putaway and pick/ship systems. The aptly named Falcon soars in this tough environment.



EXPANDING TECHNOLOGY. FOCUSING SOLUTIONS.

Falcon™ 330 & 335 Portable Data Terminals

SPECIFICATIONS

MECHANICAL

Dimensions

• Length	19.8 cm
• Width at display	8.6 cm
• Width at grip	6.4 cm
• Height at grip	3.6 cm

Weight (w/ battery pack)

• No radio, no laser	325 g
• No radio, w/ laser	330 g
• Radio, no laser	360 g
• Radio, w/ laser	365 g

Display

- Super-twist graphics LCD
- Backlight w/ programmable timeout
- 128x160 pixels plus 8 on-screen icons
- Formats: 16x26, 16x20 and 8 lines x 20 characters

Keypad

- 38-key alphanumeric
- Single and double-click alpha access
- 5 dedicated function keys, 5 shifted
- Western-European character support

Construction

- Industrial, high-strength polycarbonate/ABS-blend plastic

ENVIRONMENTAL

Temperature rating

• Operating	-10° to 50° C
• Storage	-20° to 70° C

Humidity

5 to 95% NC

Shock

multiple 4-ft. drops to concrete

Water & Dust

IEC529 rating IP54DW

OPTICAL

Light source 650nm Visible Laser Diode (VLD)

Rate 39 scans/sec. nominal

Depth of Field

(printing resolution, contrast and ambient light dependent;
*. * Minimum distance determined by symbol length and scan angle)

5 mil	5.6	to	12.7 cm
7.5 mil	4.6	to	19.1 cm
10 mil	5.1	to	24.6 cm
13 mil	5.1	to	30.5 cm
20 mil	* *	to	38.1 cm
40 mil	* *	to	55.9 cm
55 mil	* *	to	73.7 cm

Indicators Good read; scan

Ambient light immunity

Artificial light: 4,844 lux
Sunlight: 107,640 lux

DECODING CAPABILITY

(autodiscriminates between)

- UPC A, E / EAN 8, 13 / JAN 8, 13 (P2 / P5, Code 128 EAN add-ons)
- Code 128
- Code 39
- Code 39 Full ASCII
- Code 93
- Code 11
- Ames
- ISBN conversion
- MSI / Plessey
- Interleaved 2 of 5
- Standard 2 of 5
- Matrix 2 of 5
- Codabar
- Label Codes 4/5

SAFETY / REGULATORY

Electrical Complies to: CE

Emissions FCC Part 15 - Class A

Laser classification CDRH Class II;
(CAUTION: Laser Radiation – do not stare into beam);
IEC 60825 Class 2



SYSTEM

- **Operating System** ROM-DOS 6.22

- **Microprocessor** AMD ELAN™ Am486® SC400 Low Power, 32-bit microprocessor with system logic, and 8KByte L1 cache; programmable speeds up to 33 MHz; Real-time clock

- **IR Communications Port** Communication with Falcon 330 dock; Supports IR portable printers; IrDA hardware compatible

- **Dock communications** (to host) RS232; X modem, Z modem; 16550 UART, up to 115 kbps

- **PC Card** Internal PC Card Type I/II slot

- **Speaker** Programmable for volume, duration and pitch

- **Power Options** Rechargeable NiMH battery pack; Falcon 330 dock; Falcon Battery charger

- **Advanced Power Management** (without PC Card) Sleep/off mode with programmable time-out: ~2 mA; Doze mode: ~50 mA; Operating mode: >80 mA (option dependent, CPU speed and application); Rechargeable lithium backup battery; Low battery indicator (display icon)

- **Radio Support** (Falcon 335) Cisco 340 series (Aironet), Lucent WaveLAN 802.11, Proxim RangeLAN2 and Symbol Spectrum24; Internal antenna



Specifications are subject to change without notice.
For further information, contact your PSC representative.



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