

# Falcon<sup>®</sup> 330 & 335

Portable Data Terminals



## Setting a New Standard For Industrial Portable Data Collection Terminals

Fast, accurate, customizable real-time automatic data collection is needed by today's businesses striving for greater efficiency, productivity and cost-effectiveness.

The Falcon<sup>®</sup> 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 all companies involved in retail, warehousing, distribution, logistics, and manufacturing.

The Falcon<sup>®</sup> 330/335 has a sleek, IP54 rated, environmentally sealed case and built-in, front shooting laser. Its powerful 486 class processor, running at 33 MHz, operates under DOS 6.22. The Falcon<sup>®</sup> 330/335 comes with 8MB of RAM, 2MB of Flash ROM, an internal PC Card slot, and 16-line screen. There are two keyboard options: the standard 38-key alphanumeric keypad and the 25-key large numeric keypad. Open architecture ensures easy application development. And the Falcon<sup>®</sup> 335 wireless terminal is available with PowerNet Twin Client to support VT100, VT220, HP700/92, IBM 3270 and IBM 5250 terminal emulations, with screen formatter, allowing swift and simple integration into your existing legacy system.

While the Falcon<sup>®</sup> 330 provides ideal batch data collection solutions, the Falcon<sup>®</sup> 335, a wireless data collection terminal, excels in data collection throughout the supply chain where real-time access to data is required. Its internal antenna is protected and its 2.4GHz spread spectrum radio options include Cisco Aironet, Lucent (Agere) Orinoco, Proxim and Symbol radio support for maximum flexibility. The Falcon<sup>®</sup> 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<sup>®</sup> soars in this tough environment.

### Features:

- 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 (Agere) Orinoco, Proxim, Symbol
- Compatible with IntelliTrack<sup>®</sup> Warehouse Management System
- Legacy system interfacing with PowerNet Twin Client and VT-Lite



# Specifications

Falcon® 330 & 335

## PRODUCT and SYSTEM

### Mechanical

#### Dimensions

Length: 7.8" / 19.8 cm  
 Width at display: 3.4" / 8.6 cm  
 Width at grip: 2.5" / 6.4 cm  
 Height at grip: 1.4" / 3.6 cm

#### Weight (w/battery pack)

No radio, no laser: 11.5 oz. / 325 g  
 No radio, w/laser: 11.7 oz. / 330 g  
 Radio, no laser: 12.7 oz. / 360 g  
 Radio, w/laser: 12.9 oz. / 3657 g

#### Display

Super-twist graphics LCD;  
 Backlight w/programmable timeout;  
 128x160 pixels plus 8 on-screen icons;  
 Formats: 16x26, 16x20 & 8 lines x 20 characters;  
 International support for Japanese & Chinese

#### Keypads

38-key standard alphanumeric;  
 Single & double-click alpha access;  
 Special characters accessed via function key  
 5 dedicated function keys, 5 shifted  
 Western-European character support  
 25-key large numeric;  
 Alpha accessed via function key  
 5 dedicated function keys, 5 shifted

#### Construction

Industrial, high-strength polycarbonate/  
 ABS-blend plastic

Depth-of-Field Chart –			
(printing resolution, contrast and ambient light dependent; * Minimum distance determined by symbol length and scan angle)			
Label Density	Typical Range		
5 mil	2.2" to	5.0" /	5.6 to 12.7 cm
7.5 mil	1.8" to	7.5" /	4.6 to 19.1 cm
10 mil	2.0" to	9.7" /	5.1 to 24.6 cm
13 mil	2.0" to	12.0" /	5.1 to 30.5 cm
20 mil	* to	15.0" /	* to 38.1 cm
40 mil	* to	22.0" /	* to 55.9 cm
55 mil	* to	29.0" /	* to 73.7 cm

### Environmental

#### Temperature rating

Operating: 14° to 122° F / -10° to 50° C  
 Storage: -4° to 158° F / -20° to 70° C

#### Humidity: 5 to 95% NC

Shock: multiple 4.0' / 1.2 m drops to concrete

Water & Dust: IEC529 rating IP54DW

### Optical

Light source: 650 nm Visible Laser Diode (VLD)

Scan rate: 39±3 scans/sec. nominal

Depth of Field: Refer to chart on this page

Indicators: Good read; scan

Ambient light immunity

Artificial light: 450 ft-candles / 4,844 lux

Sunlight: 10,000 ft-candles / 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 Interleaved 2 of 5

Code 39 Standard 2 of 5

Code 39 Full ASCII Matrix 2 of 5

Code 93 MSI / Plessey

Code 11 Ames

Codabar Label Codes 4/5

ISBN conversion

### Safety and 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



Falcon® Dock also available

### System

#### Operating System

ROM-DOS 6.22

#### Microprocessor

486 low power, 32-bit microprocessor  
 Programmable speeds up to 33 MHz  
 Real-time clock

#### Memory

Flash: 2MB (DOS, BIOS, applications & data storage);  
 RAM: 8MB (for system operation, virtual-disk data storage)

#### IR Communications Port

Communication with Falcon® IR dock;  
 Supports IR portable printers; IrDA compatible

#### Dock Communications (to host)

RS232; X modem, Z modem; 16550 UART,  
 up to 57,600 bps

#### PC Card

Internal PC Card Type I/II slot

#### Speaker

Programmable for volume, duration and pitch

#### Power Options

Rechargeable NiMH battery pack; Falcon® dock;  
 Falcon® battery charger

#### Advanced Power Management

(without PC Card)

Sleep/off mode with programmable timeout:  
 ~2 mA; Doze mode: ~50 mA;  
 Operating mode: ~80 mA (option dependent,  
 CPU speed & application); Rechargeable  
 lithium backup battery; Low battery indicator  
 (display icon)

#### Radio Support (Falcon® 335)

Cisco Aironet 350 Series  
 Lucent (Agere) Orinoco 802.11b  
 Proxim RangeLAN2  
 Symbol Spectrum24® 802.11

#### System Support

VT100/220, HP700/92, IBM 3270 & 5250  
 emulation via PowerNet Twin client  
 Simple VT100/220 support via VT-Lite  
 Browser support via Falcon® Lynx  
 TCP/IP communications

#### Development Environments

Many standard DOS development tools  
 Falcon® Developers ToolKit  
 UPG  
 RF SDK

### PSC Inc.

959 Terry Street  
 Eugene OR 97402-9150 USA  
 Tel: 800 695 5700 or 541 683 5700  
 Fax: 541 345 7140

**Specifications are subject to change without notice.**  
 Additional information concerning this product or other PSC products  
 and services can be found at the PSC website: [www.pscnet.com](http://www.pscnet.com)  
 or contact your PSC representative for more information.



### PSC Worldwide Sales and Service locations

Australia Tel: 61 2 9878 8999 Fax: 61 2 9878 8688	Belgium Tel: 32 2 414 74 09 Fax: 32 2 410 11 63	Brazil Tel: 55 11 5507 7721 Fax: 55 11 5507 7696	Chile Tel: 562-339-7000 Fax: 562-339-7985	China Tel: 86 10 6857 9048 Fax: 86 10 6857 8699	China - South Tel: 86 20 8765 9955 Fax: 86 20 8765 9955	France Tel: 33 1 64 86 71 00 Fax: 33 1 64 46 72 44	Germany Tel: 49 6151 93580 Fax: 49 6151 935858
Hong Kong Tel: 852 25846210 Fax: 852 25210291	India Tel: 91 11 4621586 Fax: 91 11 4623305	Italy Tel: 39 039 629031 Fax: 39 039 6859496	Japan Tel: 81 3 3491 6761 Fax: 81 3 3491 6656	Latin America Tel: 1 305 539 0111 Fax: 1 305 539 0206	Singapore Tel: 65 435 1311 Fax: 65 226 1242	Spain Tel: 34 91 203 65 00 Fax: 34 91 203 65 01	Sweden Tel: 46 4010 84 92 Fax: 46 4010 84 91
Turkey Tel: 90 212 23691 15 Fax: 90 212 23691 16	United Kingdom Tel: 44 1923 809500 Fax: 44 1923 809505						