

Falcon[®] 320 & 325

Portable Data Terminals



Features:

- Lightweight, ergonomic, compact design
- Open architecture design
- DOS 6.22, 486 PC-compatible
- User-accessible PC Card slot
- Integrated laser options
- 16 x 20 graphics backlit LCD
- Wireless options:
 - Choice of 2.4 GHz spread spectrum radios
 - Long range mobility
 - High throughput network capacity
 - Advanced power management
 - Seamless roaming
 - Access points, antennas and cables
 - Network and Terminal emulation software

Portable Data Collection Terminal Solution

Fast, accurate, customizable real time Automatic Data Collection—this is the need of today's businesses striving for greater efficiency, productivity and cost-effectiveness. The Falcon[®] series 320/325 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 of companies involved in logistics, manufacturing, retail, warehousing and distribution.

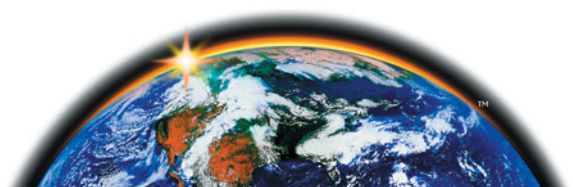
Rugged enough for the warehouse, but ergonomically designed for ease of use, the Falcon[®] 320 and 325 offer a 16-line screen, 486-class processor, 33 MHz operating speed, integrated scanning, and a user-accessible PC Card slot. Their open architecture affords easy application development. And the Falcon[®] 325 is available with PowerNet Twin Client to support VT100, VT220, HP700/92, IBM 3270 and 5250 terminal emulations, with screen formatter, allowing swift and simple integration into your existing legacy system.

While the Falcon[®] 320 provides ideal batch data collection solutions, the Falcon[®] 325, a wireless data collection terminal, is particularly ideal for data collection throughout the supply chain where real-time access to data is required. Our 2.4 GHz spread spectrum radio terminals have raised the bar in information management data collection, allowing information to be transmitted instantly, in real-time, without the use of wired connections.

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, receive-putaway and pick-ship systems. The aptly named Falcon[®] soars in this environment.

Choose From a Variety of Accessories for the Falcon[®] 320 & 325:

- Single or 4-slot Docks
- Softcase, Holster
- Falcon-to-Host Serial Cable
- Nicad Battery Pack
- ATA Flash Cards (8, 16, and 32 MB versions)
- Single or 4-slot Chargers
- 56K Modem
- Dock-to-Host Serial Cable
- NiMH Battery Pack



Specifications

Falcon® 320 & 325

PRODUCT and SYSTEM

Mechanical

Dimensions

Length no laser: 8.65" / 22.0 cm
 Length w/laser: 9.75" / 24.8 cm
 Top width: 3.50" / 8.9 cm
 Grip width: 2.75" / 7.0 cm
 Height: 1.45" / 3.7 cm

Weight (w/battery pack)

No radio, no laser: 15.6 oz. / 440 g
 No radio, w/laser: 17.9 oz. / 508 g
 Radio, no laser: 17.4 oz. / 493 g
 Radio, w/laser: 19.8 oz. / 561 g

Display

Super-twist graphics LCD;
 Backlight w/programmable timeout;
 128x64 pixels;
 Up to 16 lines x 26 characters,
 standard formats of 16x20 (default) and
 8x20 (selectable)

Keypad

57 large alphanumeric keys;
 5 dedicated function keys, 5 shifted;
 Direct Western-European character support;
 2 programmable side triggers

Construction

Industrial, high-strength polycarbonate/
 ABS-blend plastic;
 Chemical and splash resistant

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' / 1.2 m drops to concrete

Optical

Light source – Visible Laser Diodes (VLD)

Standard Range: 650nm
 Long Range: 650 nm

Scan module:

Rotates 180° for right- & left-handed operation

Scan rate: 36 ± 4 scans/sec.

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: 8,000 ft-candles / 86,112 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 UCC/EAN 128

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



System

Operating System

ROM-DOS 6.22

Microprocessor

486 low power, 32-bit microprocessor with
 system logic; 8 KByte L1 cache, programmable
 speeds up to 33MHz; Real-time clock

Memory

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

Serial Communications

RS232: RJ45 10-pin connector (COM1 serial port
 & docking); X modem, Z modem protocols
 provided; DOS UART (16550) supports up to
 115 kbps; Input devices; Handheld 5V laser,
 Wands, ID badge readers

PC Card

User-accessible PC Card Type I/II slot

Speaker

Software programmable for volume, duration
 & 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

Antenna (RF-Ready, RF versions)

Integrated, dipole

Radio Support (Falcon® 325)

Cisco/Aironet 350 Series
 Lucent (Ager) Orinoco
 Proxim RangeLAN2
 Symbol Spectrum24®

Depth-of-Field Chart – (printing resolution, contrast and ambient light dependent; *Minimum distance determined by symbol length and scan angle)		
Standard Range (25% min. contrast; 5 mil min. resolution)		Long Range (40% min. contrast; 10 mil min. resolution)
Label Density	Typical Range	Typical Range
5 mil	3.0" to 5.0" (8.0 to 13.0 cm)	
7.5 mil	2.5" to 9.0" (6.0 to 23.0 cm)	
10 mil	2.5" to 13.0" (6.0 to 33.0 cm)	9.0" to 22.0" (23.0 to 56.0 cm)
15 mil	2.5" to 19.0" (6.0 to 48.0 cm)	7.0" to 38.0" (18.0 to 96.0 cm)
20 mil	*2.5" to 21.0" (6.0 to 53.0 cm)	7.0" to 45.0" (18.0 to 114.0 cm)
40 mil	*2.5" to 30.0" (6.0 to 76.0 cm)	10.0" to 90.0" (25.0 to 229.0 cm)
55 mil	*2.5" to 36.0" (6.0 to 91.0 cm)	10.0" to 100.0" (25.0 to 250.0 cm)
70 mil	(reflective)	60.0" to 180.0" (152.0 to 457.0 cm)
100 mil	(reflective)	62.0" to 240.0" (157.0 to 610.0 cm)



Falcon® Dock also available

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,
 or contact your PSC representative for more information.



PSC Worldwide Sales and Service locations

Australia - NSW Tel: 61 2 9878 8999 Fax: 61 2 9878 8688	Australia Tel: 61 3 9281 3288 Fax: 61 3 9243 5510	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 93588	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					