

Falcon® 340 & 345

Portable Data Collection Terminals



Ideal for:

- Retail In-Store
- Inventory Control
- Warehouse Management
- Outdoor Data Collection

Features:

- Standard, Long Range and Advanced Long Range integrated laser scanner options
- Removable handle with trigger
- Batch or Real-time Data Collection
- Powerful 486 Class Processor
- DOS 6.22 Operating System
- Three keypad options
- Supports leading wireless LANs including Cisco Aironet, and Symbol

Solving Data Collection Needs

The Falcon® 340 & 345 are the most feature-rich members of the growing family of Falcon® industrial handheld data collection terminals from PSC. They were designed for easy integration in the supply chain of companies involved in logistics, manufacturing, warehousing and distribution, and in-store retail.

A Favorite Among Users

These sleek portable terminals were ergonomically designed with the end-user in mind. They are the lightest weight unit in their class, only 16.3 oz. / 465 g. Engineered to reduce fatigue, this weight is ideally balanced over the hand using a removeable form-fit rubber-grip handle. Combine this with an integrated scan trigger, a large 16-line back-lit display, three keypad options, and the user enjoys hours of high performance data collection.

No Lack of Performance Here

At the heart of the Falcon® 340 & 345 portable data terminals is a powerful 32 bit 486 class processor, running at 33MHz, with 8MB of RAM and 2MB of Flash ROM. This flexible architecture also supports an internal PCMCIA Type II PC card for additional memory or wireless LAN connectivity. Because the Falcon® 340 & 345 use a standard operating system, DOS 6.22, you can run applications previously developed for other Falcon® terminals and other DOS terminals. Thin client systems can be instantly integrated with terminal emulation and text browser support. You can also use popular PC-based development tools like PSC's Universal Program Generator (UPG), or Wavelink Studio to create custom applications for your data collection needs.

Batch and Wireless Models

The Falcon® 340 with the 486 processor and 8MB of RAM is one of the most powerful batch terminals on the market today. Fast lookup and validation of your data is critical to productivity.

The Falcon® 345 sets the standard for flexibility when it comes to wireless communications, providing connectivity for data collection applications where real-time information is critical. The Falcon® 345 can be configured with any of the leading 2.4GHz spread spectrum wireless LAN solutions including Cisco Aironet, and Symbol.

Additional flexibility comes when you can have a wireless connection of the Falcon® 345 terminals into your existing legacy system. With our PowerNet Twin Client™ product these Falcon® terminals can support VT100, VT220, HP700/92, IBM 3270 and IBM 5250 terminal emulation, with screen formatter capabilities.



Specifications

Falcon® 340 & 345

These product 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.

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: 1.6" / 4.1 cm

Weight (w/battery pack)

No radio, w/laser: 16.3 oz / 465 g
 Radio, w/laser: 17.3 oz / 490 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 and Chinese

Keypad

38-key standard alphanumeric –
 Single and double-click alpha,
 5 dedicated function keys, 5 shifted,
 Western-European character support
 48-key full alphanumeric –
 Single stroke access to full alphabet,
 Function key support via function & numbers
 25-key large numeric –
 Alpha accessed via function key,
 5 dedicated function keys, 5 shifted

Construction

Industrial, high-strength polycarbonate/
 ABS-blend plastic

Environmental

Temperature rating

Operating: -4° to 122° F / -20° to 50° C
 Storage: -22° to 158° F / -30° to 70° C

Humidity: 5 to 95% NC

Shock: multiple 4.0' / 1.2m drops to concrete

Optical

Light source: Visible Laser Diode (VLD): 650nm

Scan rate: 35 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: 8,000 ft-candles (86,112 lux)

Decoding Capability (autodiscriminates between)

UPCA, 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



Depth-of-Field Chart (printing resolution, contrast and ambient light dependent;
 *Minimum distance determined by symbol length and scan angle)

Label Density	Typical Standard Range	Typical Long Range	Typical Advanced Long Range
5 mil	3.0" – 5.0" / 8.0" – 13.0 cm		
7.5 mil	2.5" – 9.0" / 6.0" – 23.0 cm		
10 mil	2.5" – 13.0" / 6.0" – 33.0 cm	9.0" – 22.0" / 23.0 – 56.0 cm	
13 mil			19.0" – 29.0" / 48.0 – 74.0 cm
15 mil	2.5" – 19.0" / 6.0" – 48.0 cm	7.0" – 38.0" / 18.0 – 96.0 cm	20.0" – 50.0" / 51.0 – 127.0 cm
20 mil	*2.5" – 21.0" / 6.0" – 53.0 cm	7.0" – 45.0" / 18.0 – 114.0 cm	
30 mil			33.0" – 98.0" / 84.0 – 249.0 cm
40 mil	*2.5" – 30.0" / 6.0" – 76.0 cm	10.0" – 90.0" / 25.0 – 229.0 cm	
55 mil	*2.5" – 36.0" / 6.0" – 91.0 cm	10.0" – 100.0" / 25.0 – 250.0 cm	27.0" – 115.0" / 69.0 – 292.0 cm
70 mil	(Reflective)	6.0" – 180.0" / 15.2" – 457.0 cm	11.4" – 250.0" / 29.0" – 635.0 cm
100 mil	(Reflective)	6.2" – 240.0" / 15.7" – 610.0 cm	12.5" – 360.0" / 31.8" – 914.0 cm

Falcon Dock
 also available



Falcon IR to RS232 Adapter also
 available



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