

Falcon[®] 510 & 515

Fixed Station Data Terminals



Ideal for:

- Shop Floor Data Collection
- Warehouse Management
- Labor and Asset Tracking
- Industrial Process Control

Additional Standard Features

- Internal speaker with programmable tone and volume
- Connection for an external speaker
- Wall mounting bracket with service hinge feature
- Rechargeable battery backup for protection of vital data
- Internal decoder allows autodiscrimination of 20 different bar code types

We had your multiple applications in mind

The Falcon[®] 510 and 515 are the latest members of the reliable, feature rich Falcon[®] line of industrial data collection equipment from PSC. This new rugged fixed station terminal was designed with flexibility in mind; supporting open systems architecture, an extensive set of host connectivity options and interface capabilities for a wide array of data input devices. These rich features combined with an attractive price enable the Falcon[®] 510/515 to operate in a wide variety of stand-alone and enterprise-wide data collection and system control applications.

The Falcon[®] 510/515 has a powerful 486 class processor, running at 33MHz, and operates under DOS 6.22. The Falcon comes standard with 8Mb of RAM, 2Mb of Flash ROM, two internal PCMCIA Type II slots, a 15 line x 40 character mono or color display and full 69 key QWERTY keypad. Because the Falcon[®] 510/515 uses a standard operating system, you can run applications previously developed for portable Falcon terminals or other DOS computers. You can also use popular PC development tools like PSC's Universal Program Generator to create custom applications for your data collection and system control needs.

Innovative Host Connectivity

The Falcon[®] 510/515 supports an extensive set of host connectivity solutions. The 510 can be configured as a stand-alone batch terminal with modem for remote applications or as a device on your existing Ethernet LAN. When configured as a device on your Ethernet LAN you get the benefits of real-time data sharing and storage at the central server, along with convenient features like multi-location upgrading of your application and configuration changes without removing a single unit from its physical location.

The Falcon[®] 515 sets the standard for flexibility allowing both wired network and RF connectivity to your host. The RF wireless network capability provides the connectivity for data collection applications where physical limitations prohibit hardwiring and real-time information is critical. The Falcon[®] 515 can be configured with any of the leading wireless 2.4GHz spread spectrum radio options which include Aironet/Cisco, Lucent, Proxim and Symbol.

Additional flexibility comes when you use the Falcon[®] 515 as terminals on existing legacy systems. With our PowerNet software these new Falcon[®] terminals can support VT100, VT220, HP700/92, IBM 3270 and IBM 5250 terminal emulations, with the ability to operate in both sever and server-less environments.

A Multitude of Data Input Options

The Falcon[®] 510 and 515 were specially designed to support your various data input needs, along with the standard QWERTY keypad, the system can be configured with an integrated reader for magnetic stripe or bar code swipe cards for labor tracking or security applications. Additionally the Falcon[®] 510 and 515 can receive input from bar code wands, undecoded laser scanners, and imaging scanners while controlling standard RS-232 devices such as line printers, bar code label printers and scales. Finally, the Falcon[®] 510 and 515 can be configured with 16 User programmable I/O ports, 8 optically isolated digital inputs and 8 relay protected digital outputs. This unique feature enables these new fixed station terminals to be used for custom process and control applications.



Specifications

Falcon® 510 & 515

PRODUCT and SYSTEM

Mechanical

Dimensions: 12.0 x 9.0 x 2.7" / 30.5 x 22.9 x 6.9 cm

Weight: 5.00 lbs. / 2.27 Kg

Display

Monochrome supertwist LCD;

CCFL Backlight; 320 x 240 pixels;

Formats: 15 x 40, and 8 lines x 40 characters

Keypad

69 alphanumeric keys; QWERTY layout;

10 dedicated function keys; Western-

European character support

Construction

Industrial, high-strength polycarbonate/

ABS-blend plastic

Electrical

Input Power Required:

7.5 - 16 VDC, 7.5 VDC nominal at 2A

An external 100-250 VAC power supply is

available that produces the required

Input Power.

Rechargeable Nicad backup battery

Environmental

Temperature rating

Operating: 32° to 122° F / 0° to 50° C

Storage: -4° to 158° F / -20° to 70° C

Humidity: 5 to 95% NC

Water & Dust: IEC529 rating IP54DW

Decoding Capability

(autodiscriminates between)

- Ames
- Codabar
- Code 11
- Code 39
- Code 39 Full ASCII
- Code 93
- Code 128
- Interleaved 2 of 5
- ISBN conversion
- Label Codes 4/5
- Matrix 2 of 5
- MSI
- Pharmacode 39
- UCC / EAN 128
- UPC A, E / EAN 8,13 / JAN 8, 13 (extensions)

Safety & Regulatory

Electrical / Emissions:

Complies to CE; TÜV; FCC-B; EN 55022-B BCIQ

CNS 13438; AS/NZS 3458; VCCI-B

System

Operating System: ROM-DOS 6.22

Microprocessor: 486 low power, 32-bit

microprocessor

with system logic, and 8 KByte LI cache;

Programmable speeds up to 33 MHz;

Real-time clock

Memory

Flash: 2MB (DOS, BIOS,

applications and data storage);

RAM: 8MB (for system operation

and virtual-disk data storage);

expandable up to 32 Mb with PC card

Input Devices: Tethered Bar Code Reader Support;

One connector for undecoded laser scanners or

wands; One connector for Mag-Stripe Reader

(tethered) or wand

Serial Ports: Two 9-Pin D RS-232 ports with

16550 UART, up to 115 kbps

PC Card Slots: Two Internal PC Card Type I/II slots

for factory installed RF radio cards, ethernet

cards, modem cards, and ATA Flash cards

Speaker

Internal: programmable for volume, duration

and pitch;

External: speaker jack

System (continued)

Radio Support (Falcon® 515)

Cisco Aironet 350 Series; Lucent Orinoco;

Proxim RangeLAN2, Symbol Spectrum24®;

Internal antenna

Software Tools: Windows-based configuration

and installation program; Falcon® Developer's

Toolkit (includes Run-time libraries and

technical reference manual); Application can be

written using any x86-supported compiler

(C, Basic, etc.); PowerNet Twin Client terminal

emulation for VT100/220, IBM 3270/5250 and

HP700/92;

For Batch Applications:

Windows®-based Universal Program Generator

(UPG); Falcon® Portable Application Library

(PAL); IntelliTrack® data management

applications (Falcon® 510 ONLY)

For Wireless LAN Applications:

Windows-based IntelliTrack® WMS inventory

management software client (Falcon® 515 ONLY)

Options: Color LCD display; Adjustable desk

mount; Mag stripe swipe reader; Bar code

swipe reader; 16 user programmable I/O ports;

10/100 Network interface cards; Flash memory

cards: 8, 16 or 32 Mb; 56K internal modem;

Choice of RF network cards

Available Options



P/N: 00-560-01 Desk Mount with Weighted Base	P/N: 00-562-00 Magnetic Stripe Reader	P/N: 00-563-00 Barcode Swipe Reader
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Corporate Headquarters

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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 44 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
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