

Falcon 330 & 335

Portable Data Collection Terminals

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 Percon 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, 2 MB 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 TN 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 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 BreezeCOM, 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, receive-putaway and pick/ship systems. The aptly named Falcon soars in this environment.



Features

- Powerful 486 class Processor
- DOS 6.22 Operating System
- 8 MB of RAM standard
- Internal Antenna and Built-in, Front-Shooting Laser
- Environmentally Sealed Case
- One internal PC Card Slot
- BreezeCOM, Lucent, Proxim, and Symbol Radio Support
- Compatible with IntelliTrack Warehouse Management System

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Falcon 330 & 335 Specifications

Physical Dimensions

- Length: 7.8" (198 mm)
- Width at display 3.4" (86 mm)
- Width at grip 2.5" (64 mm)
- Height at grip 1.4" (36 mm)
- Weight (includes battery pack):
No radio, no laser 11.5 oz (325g)
No radio, w/laser 11.7 oz (330g)
Radio, no laser 12.7 oz (360g)
Radio, w/laser 12.9 oz (365g)

Construction

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

Keypad

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

Display

- Super-twist graphics LCD
- Backlight with programmable timeout
- 128 x 160 pixels plus 8 on-screen icons
- Formats: 16 x 26, 16 x 20 and 8 lines x 20 characters

PC Card

- Internal PC Card Type I/II slot

Radio Support (Falcon 335)

- BreezeCOM BreezeNet PRO.11, Lucent WaveLAN 802.11, Proxim RangeLAN2 and Symbol Spectrum24
- Internal antenna

Speaker

- Programmable for volume, duration and pitch

Integrated Laser Scanner

- Standard-range (see decode zone chart)
- Scan rate: 39 ± 3 scans/sec
- Indicators: Good read; scan
- Ambient light immunity:
Artificial: 450 ft-candles (4,844 lux)
Sunlight: 10,000 ft-candles (107,640 lux)
- Wavelength: 650nm

IR Communications Port

- Communication with Falcon 330 dock
- Supports IR portable printers
- IrDA hardware compatible

Operating System

- ROM-DOS 6.22

Microprocessor

- AMD ELAN® Am486™ SC400 Low Power, 32-bit microprocessor with System Logic, and 8 KByte L1 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)

Advanced Power Management (without PC Card)

- Sleep/off mode with programmable time-out: ~2 mA
- Doze mode: ~50 mA
- Operating mode: >80 mA (depending on options, CPU speed and application)
- Rechargeable lithium backup battery
- Low battery indicator (display icon)

Environmental Specifications

- Operating Temperature: -10°C to +50°C (+14°F to +122°F)
- Storage Temperature: -20°C to +70°C (-4°F to +158°F)
- RH: 5% - 95% (non-condensing)
- Drop: Multiple 4-ft. to concrete
- Sealed to IP54
- Chemical resistant

Regulatory Approvals

- FCC Part 15 - Class A
- CDRH and IEC Laser Class 2
- CE

Bar Code Symbolologies:

- Auto discriminates between all symbolologies listed:
- Ames
 - Codabar
 - Code 11
 - Code 39
 - Code 39 full ASCII
 - Code 93
 - Code 128
 - EAN-8/JAN-8
 - EAN-13/JAN-13
 - Interleaved 2 of 5
 - ISBN conversion
 - Label Codes 4/5
 - Matrix 2 of 5
 - MSI
 - Standard 2 of 5
 - UCC/EAN 128
 - UPC A/E
 - UPC/EAN/JAN extensions

Power Options

- Rechargeable NiMH battery pack
- Falcon 330 dock
- Falcon Battery Charger

Dock Communications (to host)

- RS-232
- X modem, Z modem
- 16550 UART, up to 115 kbps

Decode Zone

Working Zone		
Element Width (mil)	Standard-Range Inches	cm
5	2.2-5.0	(5.6-12.7)
7.5	1.8-7.5	(4.6-19.1)
10	2.0-9.7	(5.1-24.6)
13	2.0-12.0	(5.1-30.5)
20	*.15.0	(*38.1)
40	*.22.0	(*55.9)
55	*.29.0	(*73.7)

* Minimum distance determined by symbol length and scan angle

Warranty

- One year limited warranty, Extended warranty & quick replacement available

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PERCON

Corporate Headquarters

Percon Incorporated
1800 Millrace Drive
Eugene, OR 97403
(800) 929-7899
(541) 344-1189
Fax: (541) 344-1399
e-mail: info@percon.com

European Headquarters

Percon Europe, S.A.
13, avenue Gabriel
78170 La Celle Saint Cloud
France
Tel: +33 1 30 78 44 80
Fax: +33 1 39 18 53 94
e-mail: info@europe.percon.com

www.percon.com

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