

Falcon[®] 330 & 335

Portable Data Collection Terminals

Data Sheet



Features:

- Powerful 486 Class Processor
- DOS 6.22 Operating System
- 8MB of RAM standard
- Internal Antenna
- Built-in, Front-Shooting Laser
- Environmentally Sealed to an IP54 Rating
- One internal PC Card Slot
- Supports leading wireless LAN Cisco Aironet
- System interfacing with Wavelink Client Side Terminal Emulators
- Batch or Real-time RF Data Collection
- Two keypad options

Accessories

- Single Slot and Four Slot Dock
- Single Slot and Four Slot Battery Charger
- Holsters/Softcases
- Serial Cable
- Power Supply/Line Cord Kit

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)

Radio	Laser	Weight
No	No	11.5 oz. / 325 g
No	Yes	11.7 oz. / 330 g
Yes	No	12.7 oz. / 360 g
Yes	Yes	12.9 oz. / 365 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 of 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

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: Withstands multiple 4' / 1.2m drops onto concrete

Water & Dust: IEC529 rating IP54DW

Optical

Light Source: 650nm Visible Laser Diode (VLD)

Scan Rate: 39±3 scans/sec (nominal)

Indicators: Good read, scan

Ambient Light Immunity

Artificial Light: 450 foot candles / 4,844 Lux
Sunlight: 10,000 foot candles / 107,640 Lux

Depth of Field: Refer to Chart below

DEPTH OF FIELD Range Comparisons	
LABEL DENSITY	TYPICAL RANGE
5 mils	2.2" — 5.0" / 56 — 127 cm
75 mils	18" — 75" / 46 — 191 cm
10 mils	2.0" — 9.7" / 51 — 246 cm
13 mils	2.0" — 12" / 51 — 305 cm
20 mils	* — 15.0" / * — 381 cm
40 mils	* — 22.0" / * — 55.9 cm
55 mils	* — 29.0" / * — 73.7 cm

* Minimum distance determined by symbol length and scan angle. Printing resolution, contrast, and ambient light dependent.

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 and 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 57600 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 and application); Rechargeable

Lithium backup battery; Low battery indicator (display icon)

Radio Support (Falcon[®] 335): Cisco Aironet 350 Series

System Support:

VT100/220, HP700/92, IBM 3270 & 5250 emulation via

Wavelink or PowerNet TwinClient; Browser support via

Falcon[®] Lynx; TCP/IP Communications

Development Environments:

Many standard DOS development tools: Falcon[®]

Developers Toolkit and Wavelink

Decoding Capability (autodiscriminates between)

- UPC A, E / EAN 8, 13 / JAN 8, 13 (P2 / P5, Code 128 EAN add-ons)
- Code 128
- Code 39
- Code 39 Full ASCII
- Code 93
- Code II
- Codabar
- ISBN conversion
- Interleaved 2 of 5
- Standard 2 of 5
- Matrix 2 of 5
- MSI/Plessey
- Ames
- Label Codes 4/5

Safety & Regulatory

Electrical: EN60950, VL60950, CSA60950

Emissions: FCC Part 15 - Class A

Laser Classification: CDRH Class II;

(Caution: Laser Radiation - do not stare into beam); IEC 60825 Class 2



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R40-0129-US USA 0505

