

# POWER AT YOUR FINGERTIPS

Sleeker, lighter and faster, TouchPC™ Falcon marks a new generation in TouchStar mobile computing. Falcon boasts the same large touchscreen, functionality and rugged appeal of its predecessors, yet its new streamlined form factor makes field operations effortless.

## FALCON

Falcon is powered by a 400MHz X-Scale processor, operating on a Windows 4.2.NET platform, with up to 64Mb of memory on board, enabling mission critical applications to run reliably every time. An incredible long-life, hot-swappable battery powers the handheld and EndCap throughout the working day.

Falcon's ergonomic design facilitates ease of use in the field. Its slim easy-grip base provides the user with a firm and comfortable hold in all weather conditions, whilst its tough exterior protects against every day use in the field and is resistant to dust and water to IP54.

With software developed to take best advantage of the large touchscreen display, highly visible in any lighting conditions, Falcon offers incredibly operator-friendly usage.

New features include easy-release retainers which allow the fast removal and replacement of the battery and easy access to the environmentally protected compact flash card.

Falcon can easily be made compatible with TouchStar's existing range of cradle communication devices and fully integrated EndCaps, for superior field functionality.

#### Options include:

- Rapid printer
- 3-Track Mag-stripe reader
- Laser or CCD Barcode scanner
- Smart Card Reader and RFID tag reader

Falcon has an optional integrated class 1 Bluetooth module for wireless communications.

Whether you need to capture an electronic signature, product scan, process a payment instantly or print an invoice on the spot, Falcon enables you to perform multiple field functions with the one device.



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**Falcon** is the perfect solution for a wide range of vertical markets including field service, van-sales, fuel delivery, on-board sales, inspection and inventory management. Adding value and simplicity to your mobile operations.



# FALCON

## specifications

### Processor

INTEL™ 400 MHz PXA 255 X-Scale

### Memory

64MByte SDRAM  
32MByte Flash

### Operating System

Windows CE 4.2 operating system.

### Net Platform Display

480 x 320 pixels VGA graphics compatible Black on white LCD with low power high intensity backlighting. Display contrast and backlight intensity variable through application software.

### Touch Panel

Full screen resistive analogue panel. Scratch resistant touch surface with anti-reflective coating.

### Connectivity

1 USB host through Expansion Cartridge Port  
1 TouchPC Cradle optical interface (speed 38.4 Kbps)  
1 CF Card Type II interfaces  
1 Secure Digital Interface Card Slot (internal)  
1 Expansion Cartridge Port and custom interface, supports all standard TouchStar peripherals.

### Sound

Controlled by application software.

### Power

4400mAh Lithium Ion battery

### Backup Battery

550mAh Lithium Ion battery

### Durability

Impact resistant, flame retardant, UV stabilised polycarbonate case sealed to IP64 (pending).

### Operating Temperature

-20°C to +40°C (-4°F to +104°F)

### Dimensions

213mm x 115mm x 42mm

### Weight

With Battery 812g

### Development Board

Serial Debug Port, 10 Mbit Ethernet with Indicators, USB host interface, Headphone/Microphone Jacks, 2 LED status Indicators

### Standards CE Emissions

EN55022: 1998 Class B Limit (Europe)

### CE Immunity

EN55024:1998 Amendment A1:2001 Annex B (Europe)

FCC CFR 47 Part 15 March 2003 (United States)

### EMC testing

AS3548 (Australia)

### Emissions

RTCA/DO160D Limit M (for on-board aircraft usage) (Global)

### Compass Safe Distance

RTCA 160D Section 15.3 & Class Z (for on-board aircraft usage) (Global)



## options

- Fully Integrated EndCaps
- TouchPoD 58/80mm (2"/3")
- Printer with USB
- Host Port (supports Data Pen)
- TouchPoD modules available:
  - Barcode scanner (Laser or CCD), Smart Card
- Reader, 3-Track Magnetic Stripe Reader, IRDA RFID Tag Reader/Writer
- Contactless Smart Card Reader/Writer
- External Barcode wands, CCD scanners and external laser scanners,
- TIRIS Tag reader, AC and DC power adaptors,
- Communications and charging cradles
- GPS, GPRS, Printers
- Specially developed options



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