

# TOUCHPC™ FALCON

- » Tough rugged design, built for purpose
- » Large easy to use touch screen
- » Easy to program Windows® CE.NET platform
- » Wide operating temperature for harsh environments

Tough and versatile, the Falcon's simple yet ergonomic design provides mobile users with a rugged and reliable 'tool for the job'.

The large touch screen meets the needs of a multitude of mobile and portable applications typically to guide users through large button, 'menu driven' applications.

The high capacity battery provides exceptional performance across extreme environmental conditions. The rechargeable backup cell ensures data integrity for several days should the primary cell become discharged or be removed. Secure, quick-release screws provide access to environmentally protected compact flash cards.



The Falcon can be enhanced by adding a TouchPod for printing, barcode scanning and magnetic swipe card reading, Global Positioning Satellite (GPS) and mobile data communications over the GSM and GPRS networks. These options fit in place of the end cap at the top of the Falcon to give integrated solutions for superior field functionality.

Whether you need to capture an electronic signature, scan product barcodes, process a payment or print an invoice on the spot, the TouchPC Falcon integrates this functionality into a single device.

Excellence in mobile computing



WWW.TOUCHSTAR.CO.UK

# FALCON

## specifications

### Processor

INTEL® XScale® PXA255 at 400MHz

### Memory

64MB SDRAM  
32MB Flash

### Operating System

Windows CE.NET

### 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 1 interfaces  
1 Secure Digital Interface Card Slot (internal)  
1 Expansion Cartridge Port and custom interface, supports all standard

TouchStar peripherals.

Integrated Bluetooth module

### Sound

Controlled by application software.

### Power Main Battery

4400mAh Lithium Ion battery

### Battery Backup

550mAh Lithium Ion battery

### Durability

Impact resistant, flame retardant, UV stabilised polycarbonate case.

### Operating Temperature

-20°C to +40°C (-4°F to +104°F)

### Dimensions

213mm x 115mm x 42mm

### Weight

With Main Battery 812g

### Development Board

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

### Standards CE Emissions

EN55022: 1998 Class B Limit

### CE Immunity

EN55024:1998 Amendment A1:2001 Annex B  
FCC, CFR:47 March 2003 Part 15.107, 15.109, Limit B

### 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 End Caps
- TouchPoD 58/80mm (2"/3")

### Features

- USB (Host Port supports Data Pen)
- Laser Scanner
- Smart Card Reader/Writer
- 3-Track Magnetic Stripe reader
- IRDA
- RFID / TIRIS Tag reader
- External Barcode Wands and External Laser Scanners
- GPS / GPRS / Scanner Endcap
- Communications and charging cradles AC or DC adapters for the cradles



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