

# Falcon® 4620

Rugged Vehicle Mount Computer



## Features:

- 12.1" TFT Color Touchscreen SVGA Display
- Compact Form Factor Takes Similar Space as 10" Models
- Powerful 800MHz Processor
- Choice of Microsoft Windows Operating System
- PSC PowerScan RF Integration
- Choice of 802.11b Radios
- IP65 Sealed Enclosure
- Rugged Milled Aluminum Enclosure
- Choice of Keyboards (optional)

## Accessories:

- Keyboards
- PowerScan® RF
- PowerScan wired
- Mounting brackets (for keyboard & PowerScan)
- RF Cards
- Flash Disk
- Power Adapters

## Mechanical

**Dimensions:** (w x h x d) 12.5" x 10" x 2.5"

31.75cm x 25.4cm x 6.35cm

**Weight:** 9.3 lbs / 4.2 kg (excluding brackets & keyboard)

### Display

12.1" (30.7cm) diagonal, TFT Color, 800 x 600 SVGA, 420 NITS; Resistive Touch Screen

### Keyboards

Choice of separate tethered keyboards (keyboard mount available); NEMA 4 sealed 82-key with 2 button pointing device, 10 FN Keys, backlit; or on-screen Virtual Keyboard

### Construction

Enclosure: Precision Milled Aluminum

## Electrical

### Power Supply:

9-36 VDC Internal Power Supply  
18-55 VDC External Power Converter (optional)  
110/220V AC/DC Power Supply (optional)  
Internal Lithium Battery Backup (BIOS & Clock only)

### Power Consumption:

25W average; 40W maximum

## Environmental

### Temperature rating

Operating: -4° F to +122° F / -20° C to +50° C  
Supports intermittent periods at -22° F / -30° C  
Storage: -22° F to +167° F / -30° C to +75° C

**Humidity:** 10 - 95% RH, non-condensing

**Sealing:** IP65

**Vibration:** Meets MILSTD 810C, MILSTD 810E

## System

### Operating System:

Windows XP Pro (standard)  
Windows 2000 (optional)  
Windows XP Embedded (special order)

**Processor:** VIA C3 800MHz

### Memory

128 MB RAM Standard  
256 or 512 MB RAM Optional  
256KB Flash (BIOS)

**Sound:** PCI Audio (line input and outputs)

**Graphics:** 8MB shared

### Storage:

Hard Disk 20 GB, 2.5" ATA/IDE (standard)  
Flash Disk 2 GB or 4GB (optional)

### Communication Ports:

2 Serial ports RS 232C (115 Kb/s max)  
Com 1: 12VDC on pin 9  
2 USB 1.1 A (USB Floppy or CDROM Boot)  
1 Ethernet 10/100-TX; RJ45  
1 Mouse/Keyboard port (PS/2)  
Buzzer, Mic, CD in and line out stereo

**PC Card Slots:** 2 type II or 1 type III (PCMCIA)

## Safety & Regulatory

### Electrical:

FCC: Part 15, Class B, EN55022  
UL: UL94, Class VO

**International Safety:** CE Vehicle, FCC light industry

PSC Inc.  
959 Terry Street  
Eugene OR 97402-9150 USA  
Tel: 800 695 5700 or 541 683 5700  
Fax: 541 345 7140  
[www.psc.com](http://www.psc.com)



Copyright © PSC Inc. 2003-2005. All rights reserved. Protected to the fullest extent under US and international laws. Copying or altering of this document is prohibited without express written consent from PSC. PSC Inc. of Eugene, Oregon, USA is ISO registered by NQA. PSC, the PSC logo, Falcon, PowerScan, are registered trademarks of PSC Inc. All other brand and product names are trademarks of their respective owners. Additional information concerning this product or other PSC products and services can be found at the PSC web site: [www.psc.com](http://www.psc.com). Product specifications are subject to change without notice.

