Falcon® 4620

Rugged Vehicle Mount Computer

Vehicle Mount Wireless Windows Computer

Designed for the harshest environments of the warehouse or loading dock, the Falcon 4620 features your choice of the latest Microsoft Windows operating system coupled with a powerful 800 Mhz processor. PSC's radio independent support means you have a choice of 2.4Ghz 802.11b radios including Cisco Aironet, Lucent/Proxim Orinoco, and Symbol Spectrum24 HR.

Big Features in a Compact Package

The Falcon 4620 boasts a stunning 12.1" TFT SVGA color touchscreen display, yet the installed system is similar in size to many 10" competing models. The 12.1" screen is ideal for touchscreen applications, and features a bright 420 NIT display, providing great readability both indoors and out.

The 800Mhz processor combined with up to 512MB RAM provides the performance necessary for the most complex applications. Integrated wired Ethernet allows easy initial loading of the operating system and applications. And the shock resistant 20GB hard disk drive provides ample storage space, or for ultra-rugged applications, a 2MB Flash with no moving parts is available.

Ruggedized & Freezer Rated

Featuring an IP65 sealing rating combined with Military Specification ruggedization, the Falcon 4620 can operate in the toughest warehouse environments. The ability to operate in freezers to –30C without an expensive and power hungry heater provides a huge advantage over the competition. An optional NEMA 4 sealed 84-key keyboard with integrated mouse provides input flexibility.

Integration with PSC PowerScan Lasers

The Falcon 4620 was designed to allow PSC lasers (including PowerScan RF) to directly connect to the base computer, without requiring an external power connection. This allows easy integration with both wired and wireless bar code scanners.

Unique Modular Mounting System

The base unit includes a low-profile fully adjustable mounting bracket. The flexible design allows a keyboard bracket to be attached directly to the base bracket, conserving valuable space. The optional scanner attachment allows a PSC PowerScan RF laser to be mounted to either side of the vehicle computer.

Software Support

The Falcon 4620 offers a choice of any of the leading Microsoft Windows Operating Systems including Embedded Windows XP, XP Professional and Windows 2000. Optional terminal emulation support is provided for VT100/220 and IBM 5250 & 3270. Optional support for a virtual on-screen keyboard is also provided.

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
- IP 65 Sealed Enclosure
- Operates in –30C Freezers without a Heater
- Internal DC Power Supply
- Rugged Milled Aluminum Enclosure
- Choice of Keyboards (optional)

Specifications
Falcon® 4620

SYSTEM & PRODUCT

System

Operating System:
Windows XP Embedded (standard)
Windows XP Pro (optional)
Windows 2000 (optional)
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: 32MB Video RAM
Storage:
Hard Disk 20 GB, 2.5" ATA/IDE (standard)
Flash Disk 2 GB (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 Support)
1 Ethernet 10/100-TP, 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)
Speaker: Internal Beeper: 85dB @ 10cm

Radio Support:
Requires certified Type II PC Card Format,
2.4Ghz Spread Spectrum 802.11b.
Radios Supported: Cisco Aironet 802.11b,
Lucent/Proxim Orinoco 802.11b, Symbol
Spectrum24 HR
Use integrated antenna PC Card or
optional external antenna
Software Support: Terminal Emulation for
VT100/220, IBM 3270/5250
Bar Code Scanner Support: Serial or PS/2
Decoded Lasers; PSC PowerScan (RF & Cabled)
and most 3rd party scanners supported.
PowerScan RF option includes mounting
bracket and serial cable with power provided
by base computer

Safety & Regulatory

Electrical:
FCC: Part 15, Class B, EN55022
UL: UL94, Class VO
International Safety: CE Vehicle, FCC light industry

Mechanical

Dimensions: 12.5"(w) x 10" (h) x 2.5" (d)
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 84-key with 2 button pointing
device, 12 FN Keys
Commercial Grade 84-key with 12 FN Keys
Construction
Enclosure: Precision Milled Aluminum

Electrical

Power Supply:
9-36 VDC Internal Power Supply
32-80 VDC External Power Converter (optional)
110/220V AC/DC Power Supply (optional)
Internal Lithium Battery Backup
(BIOS & Clock only)
Power Consumption:
25W average; 45W maximum

Environmental

Temperature rating
Operating: -20C to +50C (-4F to +122F)
-supports intermittent periods at –30C (-22F)
Storage: -30C to +75C (-22F to +167F)
Humidity: 10 - 95% RH, non-condensing
Sealing: IP65
MILSPEC: 810C, 810E

Available Accessories

· Keyboards

· PowerScan™ RF

· PowerScan wired

· Mounting brackets
(for keyboard & PowerScan)

· RF Cards

· Flash Disk

· Power Adapters

Specifications are subject to change without notice.
Additional information concerning this product or other PSC products
and services can be found at the PSC website: ***www.pscnet.com,***
or contact your PSC representative for more information.