



Take communications into the deep freeze

VEHICLE-MOUNT ENGINEERED FOR FREEZER APPLICATIONS



The 8570 Wireless Client/Server Vehicle-Mount Computer puts wireless supply chain management right where the data is – even throughout cold storage facilities and icy yards and ports. This rugged, colour touchscreen computer is compatible with the leading pen-based software solutions and standard off-the-shelf applications. And with superior processing power, it provides mobile workers the data capture and management tools to make rapid decisions regarding receiving, put-away, replenishment, picking, shipping, and container and cargo tracking.



ADVANTAGES

- Engineered to overcome cold storage challenges in condensing environments: (-35 degrees C / -31 degrees F) window fogging, display failures and internal corrosion
- Suitable for PC client/server and terminal applications. Compatible with Windows 2000/XP, MY-T-Soft (English) and other leading pen-based software
- Full range of computing flexibility and functionality supports key open architectures and integrates seamlessly with wireless LAN solutions
- Rugged design meets NATO military specifications for shock, vibration and operating conditions
- 802.11a,b,g 32 bit cardbus standard compatibility provides seamless integration with Psion Teklogix wireless backbone and terminals ensuring interruption-free roaming
- High-resolution, internally backlit colour TFT display ideal for dimly lit refrigerated warehouses, (SVGA model with hi-bright capability for day use)
- Convenient mounting options, including vehicle-mount and fixed locations for cross-docking and work-in-progress



8570 Vehicle-Mount Computer - Freezer



8570 Vehicle-Mount Computer



8570 with Optional Keyboard



8570 with Optional Mounting and Keyboard

Specifications

PROCESSOR & MEMORY

- VIA 400 MHz Processor
- Optional VIA 800 MHz Processor
- Intel Pentium® M 1.1 GHz (Future)
- 128 MB SODIMM (144 pin SDRAM PC133) memory standard
- 256 MB SODIMM (144 pin SDRAM PC133) available as option
- 512 MB SODIMM (144 pin SDRAM PC133) available as option
- On-die 64KB second level cache

HARD DISK

- Internal 20 GB hard disk
- Optional storage upgrade available

WIRELESS COMMUNICATION OPTION

- IEEE 802.11 a,b,g 2.4 GHz Spread Spectrum, Direct Sequence Data Rates: up to 54 Mbps

SECURITY

- Wired Equivalent Privacy (WEP)
- LEAP support with Cisco 350 radio

PERIPHERALS

- Any standard serial or USB peripherals
- External backlit IBM PC/AT-compatible keyboard (NEMA 4)
- Tethered scanners
- CD ROM kit
- USB floppy drive

DISPLAY

- TFT 30.7cm/12.1"; SVGA 800 x 600, 256k colours; 120 degree viewing angle; Hi-bright 500 NIT; 0-100% dimmable
- Super Hi-bright option (1000 NIT)
- 5 wire touch screen
- High-transparency resistive digitiser with hardened glass
- Passive pen or any non-electronic pointing device, including fingertip
- Digital brightness control, 0-100% dimmable
- S3 Savage 4 Twister-T Graphic Controller
- Up to 32MB Video RAM

SIZE & WEIGHT

- 30.5cm x 24cm x 6.1cm/12" x 9.3" x 2.4"
- 3.7kg/8 lbs
- Enclosure: 2-piece precision milled powder-coated aluminum

ENVIRONMENTAL

- **8570 Standard Temperature:**
Operating Temp: -20°C to 60°C/-4°F to 140°F
Storage Temp: -30°C to 75°C/-22°F to 167°F
Humidity: 5 - 96% non-condensing
- **8570 Freezer/Extreme Temperature:**
Operating Temp: -35°C to 60°C/-31°F to 140°F
Storage Temp: -30°C to 75°C/-22°F to 167°F
Humidity: 5% to 96% relative humidity (condensing)
- **Shock:**
Non-Operating disk: Vibration: 4.5 g-rms/5 - 500Hz 3 hours XYZ;
Shock: 30 g for 11 ms, 3 x XYZ
Operating disk: Vibration: 1.0 g-rms/5 - 500Hz 3 hours XYZ;
Shock: 180 g for 2 ms

- Meets or exceeds NATO-Military Specifications 810, IP 66

POWER

- 9-36 VDC, 5 W standby/20 W operating, max 45W

STANDARD EXTERNAL PORTS

- CARDBUS PCMCIA: 2 type II or 1 type III 32-bit
- 2 Serial ports RS232C (COM 1-2, up to 115Kbit/s)
- 2 USB 1.1 A
- 1 Firewire
- Ethernet 10/100-TX, RJ45
- DB9 Mouse/Keyboard port (PS/2 adaptable)
- Buzzer, Microphone, CD line-in and line-out stereo

EXPANSION SLOTS

- Cardbus PCMCIA: 2 type II or 1 type III 32 bit

SOFTWARE COMPATIBILITY

- Phoenix® IBM PC/AT 'Plug and Play' compatible BIOS
- Microsoft® Windows® 2000 (XP option) with Pen Extensions and soft-configurable floating on-screen keyboard
- My-T-Soft® on-screen keyboard (English only)

LANGUAGES

- English (standard)
- French
- German
- Spanish
- Chinese

SPEAKER AND SOUND CAPABILITIES

- Soundblaster 16-bit compatible, internal buzzer

CLOCK/CALENDAR

- On-board clock/calendar with battery backup

OTHER FEATURES

- ACPI power button
- Built-in cable strain relief
- Multiple mounting points

REGULATORY APPROVALS

- DIN 40050 Part 9 IEC 529
- Safety: UL: UL94, Class VO
- FCC: part 15 Class B
- E-Vehicle directive certified
- International Safety: CE Vehicle, FCC light industry
- Electrical: ISO 7632-1, reverse polarity, dual battery
- EMC Susceptibility: ISO 7637-1, -2, EN61000-4-2
- EMC Emissions: EN55022
- Temperature : IEC 68-2-36 Fdb, IEC 68-2-27
- IEC 68-2-1 Ad IEC 68-2-2 Bc, IEC 68-2-30 Db, IEC 68-2-1 Aa, -2 Ba, 14 Na

*Specifications are subject to change without notification.

Psion Teklogix™ is a trademark of Psion Teklogix Inc. Other product names mentioned in this document may be trademarks of Psion Teklogix Inc. or trademarks or registered trademarks of other hardware, software, or service providers and are used herein for identification purposes only.