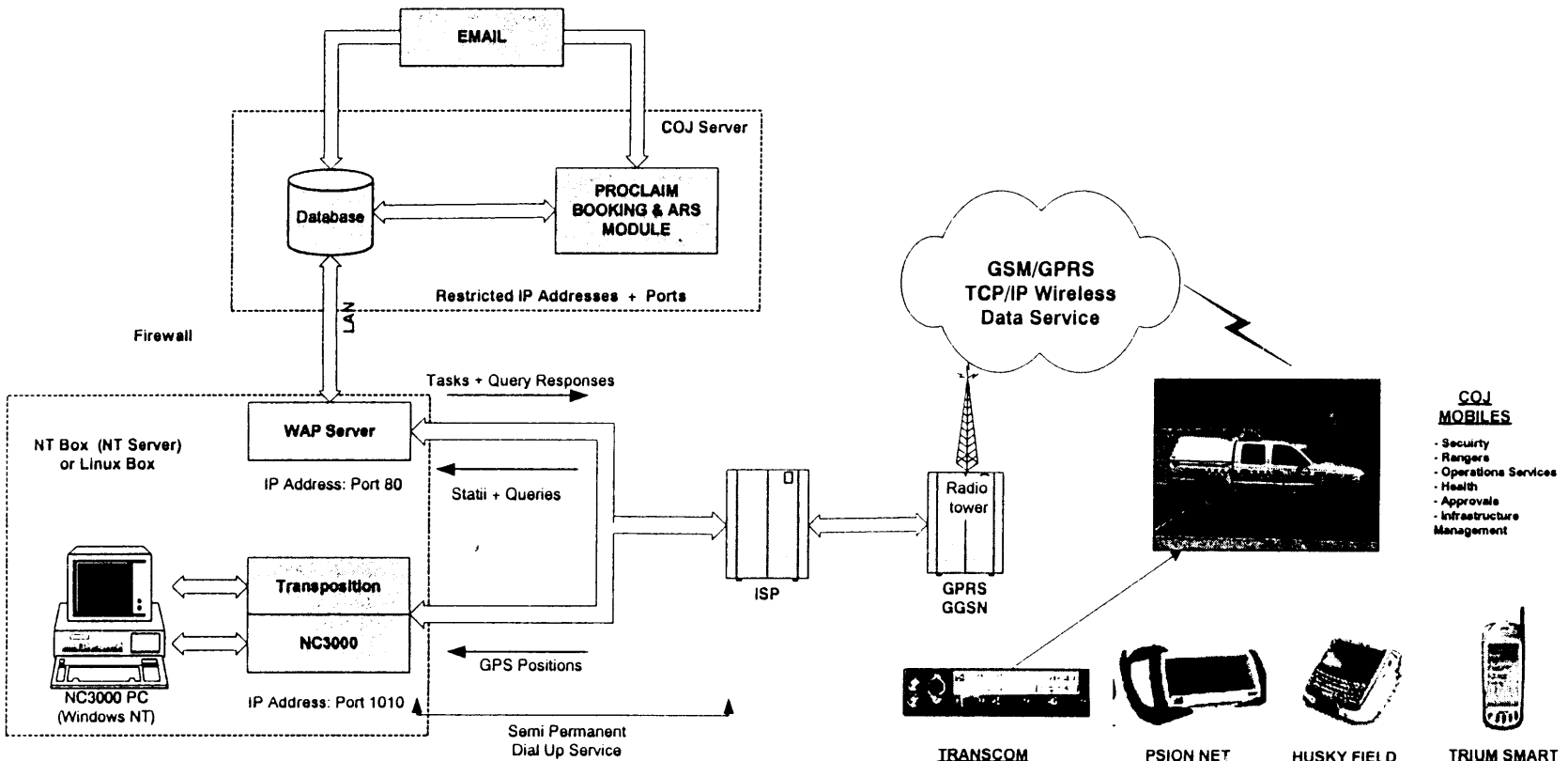
City Of Joondalup
WAP Application - System Diagram



BASE SYSTEM ELEMENTS

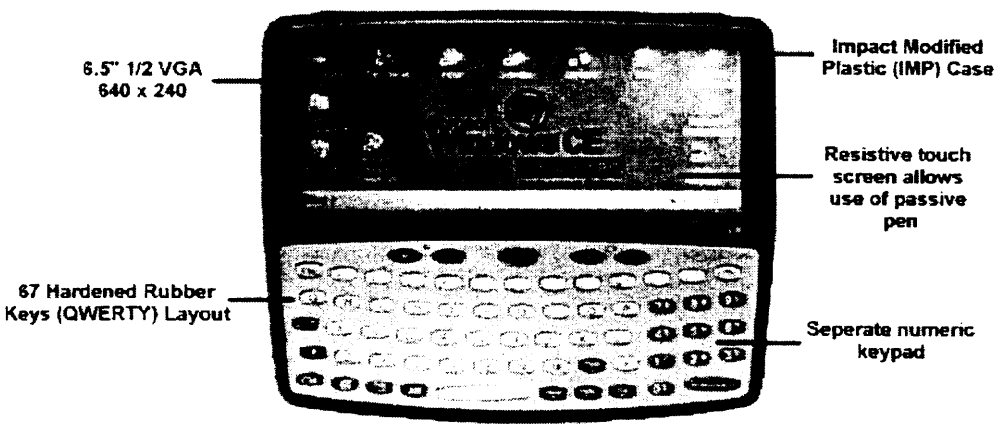
TRANSCOM SUGGESTED MOBILE PRODUCT OPTIONS

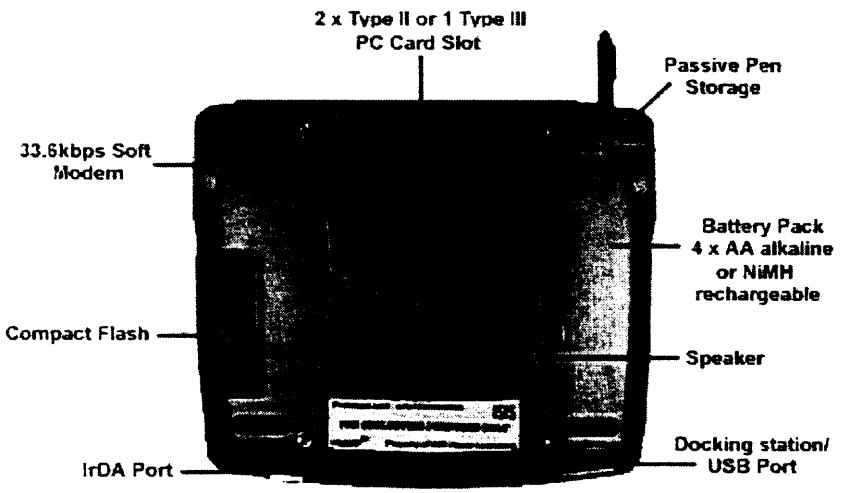
Psion & Husky Host Citrix Thin Client Server Applications

Husky FEX-21
World's First Truly Rugged Windows CE Computer

| FEX-21 | FC-PX5 | FC-486 | FS/3 | FS/2 | FS/GS | FS/MP2500 | LS-1200 | Accessories | Testing | Standards |

Click here to go to Technical Specifications, or here to go to a comparison table for Husky Computers.





"At last a palmtop for the careless tough-guy. It is the sort of thing that deflects bullets. And it can double as a mobile phone. "

Chris Partridge. IT Editor. Evening Standard.

FEX21 Features:

- World's first rugged Handheld PC (H/PC): The Mobile Information Device
- Fully wireless integration of computer, mobile phone and the Enhanced Reliability Technology (ERT) features for which Husky Technology has become famous
- Military standard data security offering protection against environmental and accident risks including weather risk (rain, snow, storm, extreme temperature variation), mobile risk (collision, vibration, electrostatic discharge) and accident risk (drop, liquid spill). The HUSKY FEX21 is the first H/PC to provide a military standard drop and sealing specification
- At least 200% more expansion using MultiCard systems to integrate dual Type II or single Type III PC Card expansion, critical in the field for voice and data communication via Radio, GSM, WAN, LAN, GPS. Additional

extended storage via separate Flash/PC-Card drives. The HUSKY FEX21 is the first H/PC to provide this standard of voice, radio and data expansion

- New form factor H/PC using *Open Book Design* (OBD). An industry-first from HUSKY, OBD removes the weakness of hinges, standard in generic H/PCs. Fully single cast, non-clamshell ergonomics deliver instant operation and screen, internal data and casing protection systems. The HUSKY FEX21 is the first H/PC to provide OBD
- Vital Transflective Display innovation - unique in providing clear screen visibility in both bright light and dark environments. Critical for mobile users working 24 hours a day, in varying conditions, within and outside the office, transflective displays solve one of the core difficulties of mobile computing to date: universal screen visibility. The HUSKY FEX21 is the first H/PC in the world to offer Transflective Display Technology (available July 1999)
- Direct Numerical Entry allows single handed operation by providing a separate numerical keypad. Integrated within curved keyboard ergonomics, the result is simplified mobile numerical data entry. The FEX21 is the first H/PC to combine curved key entry with a separate numerical keypad
- Fully wireless, integrated mobile phone technology delivers universal, industry standard, fully wireless communications across the world's telecommunications networks. The HUSKY FEX21 *completely* removes the restrictions of carrying a separate mobile phone. Using the multi-card system, the FEX21 seamlessly switches from computer to mobile phone and modem. The result is a computer fully integrating world (cellular) standards for voice calls, data communications for faxing, access to the Internet, Intranet, local and wide area networks and Mobitex packet switch wireless data networks for continuous 24 hour a day access to IT field communications . The FEX21 is the first H/PC to double communications expansion by 200% relative to existing standards
- Advanced, latest generation Microsoft Windows CE Operating System (Version 2.11) with enhanced, Handheld PC Professional Version 3 editions of Pocket Explorer, Word, Excel, Access, PowerPoint and Outlook (Inbox, Calendar, Contacts and Tasks). The HUSKY FEX21 is the first computer of this form factor to use Microsoft Windows CE Handheld PC Professional Edition V3.0
- 300% the battery capacity of existing H/PCs to ensure a minimum 8 hours, single day's operation without charging
- HUSKY FEX21 provides double the serial port capacity of existing units for accessories, extended communications and charging
- Customisation
  facilities allow business and industry to tailor the technology, colour, and keyboard of the device to corporate standards and requirements
- Full touchscreen pen support for handwriting recognition and diagram
- Infrared exchange
- USB (slave) support
- Curved Key Entry keyboard system
- Soft modem
- Headset, voice recording and playback
- HUSKY*FeatureBay* swappable expansion system delivering near limitless scope to integrate communications peripherals for organisations requiring integrated information systems such as scanning or tag reading (non-user acessible)

Technical Specifications

Husky FEX-21 - Technical Specifications

Construction	Impact Modified Plastic (IMP) with integral backstrap
Size	190mm x 155mm x 37mm
Weight	750 g
Microprocessor	Toshiba 75MHz MIPS R3900 RISC Processor
Operating Systems	Microsoft Windows CE Handheld PC Professional Edition in flash ROM
Mass Storage	Non-volatile solid state Compact Flash disk support (10, 30 and 48 Mb)
Memory	Non-volatile low-power RAM, Flash and ROM
Data Retention	72 hours automatic with back-up battery, only used if main batteries are removed
RAM	16MB or 32MB low power DRAM
PC Card Connections	External 2 x Type II (or 1 x Type III) slot- release 2.1 compliant with a wide range of PC Card options
Screen	6.5" 1/2 VGA 640 x 240 pixel transflective mono, STN color, transflective color LCD
Pen and touch screen	Resistive touch screen allows use of passive pen
Keyboard	67 hardened rubber keys (QWERTY layout), color coded groupings including seperate numeric keypad National Keyboard Layout available (UK, US, SW, FR, DK/NO, GE)

Serial Communications	RS232/V24 COM1 male DB9 serial port, optional COM2 male DB9 serial port
Batteries	4 x AA NiMH rechargeable pack or 4 x AA alkaline pack
Environmental Standards	Exceeds MIL-STD-810E, IEC 68, BS2011 standards for high temperature, low temperature and temperature change, moisture and immersion, salt fog, EMC/ESD, dust and sand, drop, shock, vibration, altitude.
Temperature Range	Operating Temperature: -10°C to +50°C (Mono), 0°C to +40°C (Colour) Storage Temperature: -20°C to +60°C (-22°F to +140°F)
Sealing	Water Resistant IP65
Shock	120 cm onto hard surface
Electromagnetic Compatibility (EMC)	Certified to EN55022, EN50082-1&-2, BS6527, FCC rules 47CFR part 15 class B
Electrostatic Discharge (ESD)	Certified to IEC801-2, EN50082-1&-2
Mandatory conformance	CE marked, FCC, CSA
Docking Station	USB, serial comms and charging capability
Audio	Speaker output and microphone input
Modem	33.6 kbps V34bis PSTN soft modem via RJ11 connector
Infrared	Industry standard IrDA interface
Options, accessories, & peripherals	• Vehicle Mount • Docking Station • 12VDC In vehicle charger • Integrated Symbol Technologies SE900 laser scanner • Carry case

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