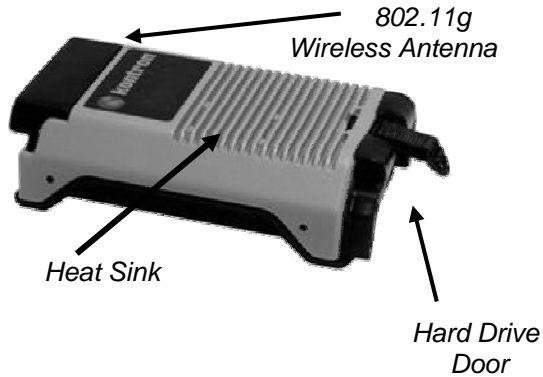


Next Generation Rugged Mobile Embedded Computing

Designed for Mobile Embedded Applications



Military Rugged Computer Module

Removable 40-60GB Hard Drive
Sealed from Water and Dust
1 I/O interface port
Pentium M 900MHz – 1.7 GHz
Cast Aircraft Aluminum Package
-15C to 60C Operation
Mil-Std 810F for Shock & Vibration
Small Footprint (6.5”L x 4”W x 1.8”H)
Up to 1 GB DDR RAM
1 GB CACHE
802.11g Integrated Wireless
USB 2.0
Mounting Holes & Captures



Processors:

Intel Pentium® M Processor
900MHz - 1.7 GHz

Operating Systems Supported:

Windows 2000 Professional and XP Professional

Chassis Construction:

Cast aircraft aluminum construction protects internal subsystems from shock and vibration.

Ram/Cache:

128 MB DDR Ram, upgradeable to 1 Gigabyte
8MB to 32MB Video DRAM – RAM dependent
Standard 1Meg L2 CACHE

Hard Drive:

40 GB removable – standard
60 GB removable – optional



Shock mounted
Sealed when door shut

Temperature/Humidity:

Operating Temperature: -15° to 60°C (5° to 140° F)
Storage Temperature: -20° to 60°C (-4° to 140° F)
Operating Humidity: 10 – 88 % relative humidity, non-condensing
Storage Humidity: 5 – 95 % relative humidity, non-condensing

Shock:

Functional: Mil-Std 810F, Method 516.5, Procedure I
Operational: 40 Gs for 11msec; 18 drops
Crash Hazard: Mil-Std 810F, Method 516.5, Procedure V
Non-operational: 75 Gs for 11msec; 12 drops

Vibration:

Functional: Sinusoidal & Random Vibration: Mil-Std 810F
Operational: Method 514.2, Procedure X, Table 514.2-VII

EMI/EMC:

FCC Class A, CE

Safety:

ETL, cETL

Altitude:

Operational: -300m to 3000m
Storage: -400m to 15,000m

ECM I/O out of Docking Connector:

2 Serial Ports
2 USB 2.0
ECC/EPP Parallel Port
LVDS Display Output
Analog RGB Video Output
Full PCI Bus
PS/2 Keyboard/Mouse Port
5 VDC Power Input



Desktop Docking System:

2 Serial	1 Parallel	1394 (fire wire)
2 USB 2.0	RGB Video	LVDS Video
2 PC-Cards	Speaker/Mic	10/100 Ethernet
PS/2 Kybd/Mse	Control Port	

Other Rugged Technology

8.4” Daylight Readable VGA Display

EMR Digitize Touch Screen
Integrated Mouse
500 NIT Brightness
Cast Aluminum



Specification subject to change without notice
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