

# ***Model 7500-VMC BLACKJACK™ Vehicle Mounted Computer***



- Rugged Lightweight and Compact
- All Aluminum Enclosure
- Intel® Pentium® Processor
- Qualified to MIL-STD for Temperature, Vibration, Shock and Humidity
- Customer Definable Configurations

***Fully Mission Capable™***

## Model 7500 VMC BlackJack™ (Vehicle Mounted Computer)

The Model 7500 VMC BlackJack™ (Vehicle Mounted Computer), available in many configurations, is a rugged and reliable mounted computer that is ideally suited for public safety vehicles, law enforcement vehicles, utility vehicles, mobile medical vehicles, delivery/courier vehicles, automobiles, vans, trucks, airplanes, helicopters and trains. This product is designed to operate in high vibration environments in accordance with the following specifications. Please consult your local sales representative to determine your exact configuration.

### Environmental Characteristics

Temperature . . . . .	Operating: -30°C to 60°C	Storage: -40°C to 70°C
Shock – Standard . . . . .	0.75g Sinusoidal and Random, 5 - 500 Hz per MIL-STD-810E	
Shock – Optional . . . . .	3g Sinusoidal and Random, 5 - 500 Hz per MIL-STD-810E	
Vibration . . . . .	10g @ 11ms Sawtooth per MIL-STD-810E	
CPU . . . . .	Pentium® 4 Processor	
Chipset . . . . .	Intel 845G North Bridge and Intel ICH4 South Bridge	
Video Controller . . . . .	640 x 480 – VGA, 800 x 600 – SVGA, 1024 x 768 – XGA, 1280 x 1024 – SXGA, 1600 x 1024 – UXGA, 256bit 3D Engine and dynamic video memory up to 64bytes.	
Parallel Port . . . . .	Multimode EPP/ECP bi-directional parallel printer ports	
Serial Ports . . . . .	Two high speed 16C550 compatible RS-232 ports	
Keyboard/Mouse Port . . . . .	PS/2 compatible	
Hard Disk Drive – Standard . . . . .	Internal 20 GB (minimum) 3.5” hard drive, 12 ms, 100 MB/sec (UltraATA/100)	
Hard Disk Drive – Optional . . . . .	2 GB Flash Drive (MIL-STD-810E)	
Floppy Disk . . . . .	Internal 3.5” 1.44 MB	
Memory . . . . .	128 MB installed, optional up to 2 GB SDRAM (2 x DDR DIMM Sockets)	
Cache . . . . .	256 KB integrated, full speed (L2) cache	
Interfaces . . . . .	<ul style="list-style-type: none"> <li>• 4 Universal Serial Bus (USB) port connectors</li> <li>• 1 AGP 4X (1.5V)</li> <li>• 1 PS/2 Keyboard, 1 PS/2 Mouse</li> <li>• 2 IDE UltraDMA 100/66.33</li> <li>• 1 Audio I/O</li> <li>• Front mounted IDE and power connector interfaces to CD-ROM</li> </ul>	
Front Access PCMCIA . . . . .	2 slot PC card, Type I, II and III	
BIOS . . . . .	2 MB Flash EEPROM, AWARD BIOS with SCPI< DMI2.0, PnP, WFM2.0, Green, TCAV	
Audio . . . . .	AC’97 compliant 3D software audio, S/PDIF-out interface	

### Electrical Characteristics

Power – Standard . . . . . 6 - 15 Vdc, 4.5A typical @ 12V

### Physical Characteristics

Size . . . . . 5.875 in. H x 10.625 in. W x 11 in. D