



DataMetrics™

BlackJack 2™

MODEL 9600

VEHICLE MOUNTED COMPUTER



Key Features

- 1.0 GHz Low Voltage Processor
- Dual Hot Swap Rotating or Solid State Hard Drives
- Shock Isolated Inner Components
- Two PC104+ and One Compact Flash Slot
- Wireless Networking Capabilities
- Power and Hard Drive Status Indicators
- Customizable Memory, Hard Drive, Operating System, and More
- Completely Sealed IP66, Conduction-Cooled
- Shock and Vibration per MIL-STD-810E
- EMC/EMI per MIL-STD-461E
- 10 - 30 Vdc Power Input

Model 9600 Vehicle Mounted Computer

The Black Jack 2™ Model 9600 is a rugged and reliable conduction cooled vehicle mounted computer which is ideally suited for use in construction equipment, any type of commercial, military, or public service vehicle, plane, helicopter, or vessel.

Like all DataMetrics products, the Black Jack 2™ is fully customizable to meet any specifications. The dual hot-swap hard drives are heated and can support any 2.5" rotating or solid state drive on the market. The EPIC single board computer has multiple processor and memory options with extra I/O available via PC104 expansion.

In addition to the IP66 rated sealed design, this computer is designed and tested to withstand extreme levels of shock and vibration found in all mobile applications utilizing a shock isolated motherboard, power supply, and hard drives. This computer is built with a rigid all aluminum housing but still only weighs 14 lbs.



Fully Mission Capable™



Environmental Characteristics

- Temperature - Operating -40°C to 55°C (w/ Rotating Hard Drives)
-40°C to 85°C (w/ Solid State Drives)
- Shock - Operating3G Sinusoidal and Random, 5 - 500 Hz per MIL-STD-810E (w/ Rotating Hard Drives)
10G, 6-9ms, per MIL-STD-810E (w/ Solid State Drives)
- Vibration10G @ 11ms Sawtooth per MIL-STD-810E
- Humidity5-95% (non-condensing) per MIL-STD-810F
- Altitude - Operating-1,500 to 15,000 ft. per MIL-STD-810F
- Altitude - Non-operating -1,500 to 40,000 ft. per MIL-STD-810F
- EMC/EMIMIL-STD-461E / FCC part 15, Class B
- Salt, Fungus, MoldResistant to corrosive atmospheres
- Sand, Dust, RainIP66; Fully sealed housing/ports/connectors
- Cooling SystemConduction cooling, fanless design

Performance Characteristics

- Note: Custom configurations are available
- Single Board Computer EPIC form factor, fanless
 - Processor1.0 GHz low power C3 processor
 - Memory512 MB SDRAM
 - Operating SystemMicrosoft Windows XP Pro, others optional
 - StorageDual 2.5" Hot Swap Hard Drives
2x 80 GB SATA Rotating Drive (Standard)
2x 32 GB SATA Solid State Drive (Optional)
1x 8 GB CompactFlash Drive (Optional)
 - Primary Interfaces1x Serial RS-232
1x USB 2.0 Type A
1x Keyboard/Mouse
2x RJ-45 10/100 Ethernet
1x Video Out: VGA 15 pin
All connections via MIL-Circular
 - Interfaces - Optional2ea PC104 card slots are available for I/O expansion.

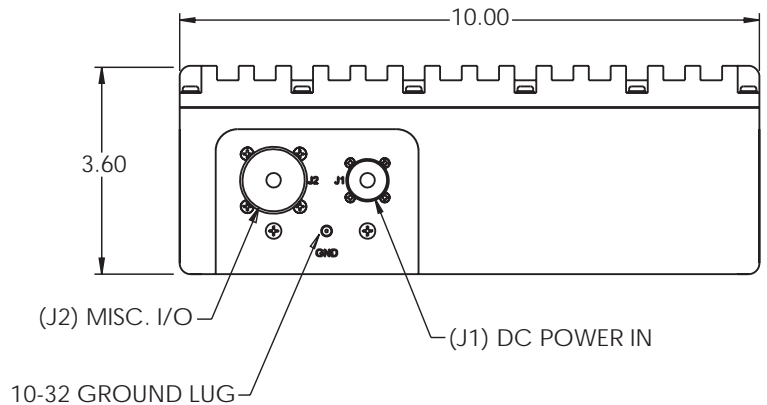
Electrical Characteristics

- Power10 - 30 Vdc, 12/24 Vdc Nominal
- Power Consumption30W Nominal
5W Standby
40W Max

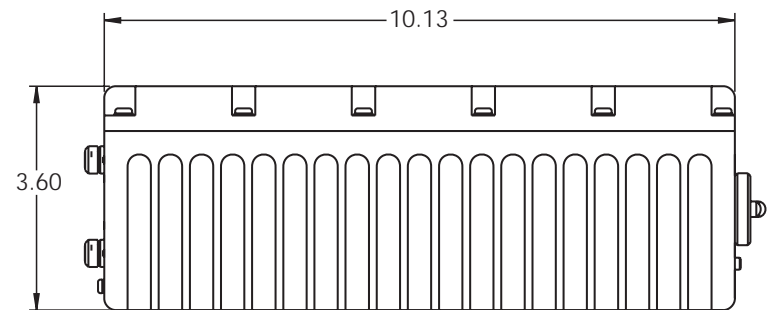
Physical Characteristics

- Size3.6" H x 10" W x 10.13" D
- Weight14 lbs.

Rear View



Side View



Ordering Information

Part Number	Description
9600-XXXX-1XX-P044	BlackJack 2 Embedded Vehicle Mount Computer, Gloss Black Powder Coat
Standard Configuration 9600-2093-100-P044	
"X" indicates ordering options.	
Contact DataMetrics for other options and custom configurations.	