



DataMetrics™

TuffRider™

9300

**RUGGEDIZED COMPUTER
SYSTEM**



Key Features

- Multiple Display Sizes (8.4", 10", 12", and 15")
- Sunlight Readable Touch Screen
- Intel® 1.1 GHz Pentium® M Processor
- Two Customer Definable PCMCIA Slots
- Wireless Networking Capabilities
- Shock and Vibration per MIL-STD-810E

Model 9300 Ruggedized Computer System

The **TuffRider™** Series Model 9300 is a rugged and reliable computer/display combination that is ideally suited for public safety vehicles, law enforcement vehicles, construction equipment, utility vehicles, mobile medical vehicles, delivery/courier vehicles, automobiles, vans, trucks, airplanes, helicopters, trains, and military ground vehicles, vessels and aircraft. Equipped with a resistive touch screen interface and powered by a SBC with the Intel Pentium® M processor with Intel Speedstep® technology makes the Model 9300 ideal for mobile applications. In addition, the Model 9300 is equipped with all of the interfaces you would find on a normal desktop computer making it even more versatile.



*Simulated Image

Fully Mission Capable™

Environmental Characteristics

Temperature	Operating: 0°C to 50°C (32°F to 122°F) Storage: -40°C to 65°C (-40°F to 149°F)
Shock - Operating	10g, 6-9ms, per MIL-STD-810E
Shock - Non-operating	20g, 6-9ms, per MIL-STD-810E
Vibration	Bench Handling: 3g non-operating MIL-STD-810E, Method 514.4, Categories 1 and 8 for installed platforms
Humidity	Operating: 5-90% @ 40°C (non-condensing) Non-operating: 5-90% @ 40°C (non-condensing)
Altitude	Operating: -2000 to 15,000 ft. Non-operating: -2000 to 40,000 ft.
EMC/EMI	FCC part 15, Class B

Performance Characteristics

Note: Custom configurations are available

Processor	Intel Pentium® M 1.1GHz with 400MHz FSB, 1MB Cache
Operating System	Microsoft Windows XP Pro, others optional
Memory	512MB (1GB Max)
Storage	4GB Compact Flash (24GB Max with optional 8GB CF and 2 additional optional 8GB CFs with PCCard adapters)
PCMCIA Slots	Two onboard (one used if Wireless LAN is selected as an option)
Wireless LAN (optional)	802.11b compatible PCCard, optional
Display	8.4" LVDS, 800 x 600 Active Matrix (Sunlight Readable Display and resistive touch screen)
Primary Interfaces	Serial: Com1/Com2 RS-232, USB: 5 Dual Type A USB 2.0, Resistive Touch Screen
Interfaces (optional)	Wireless LAN, Antenna: RP-TNC Coax
Secondary Interfaces	Keyboard/Mouse: Mini DIN 6, Firewire: 2 IEEE1394, Network: RJ-45 10/100 Ethernet, Audio: Mic, Line In, Line Out, Video Out: VGA 15 pin

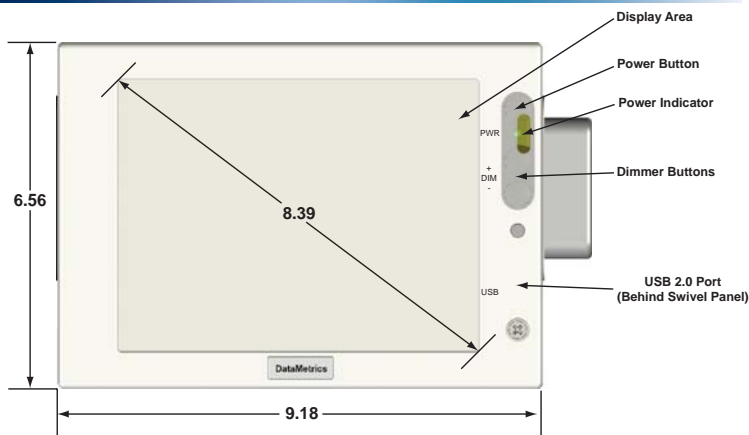
Electrical Characteristics

Power	10-28 Vdc, 12/24 Vdc Nominal
Power Dissipation	.30W Nominal, 5W Standby, 40W Max

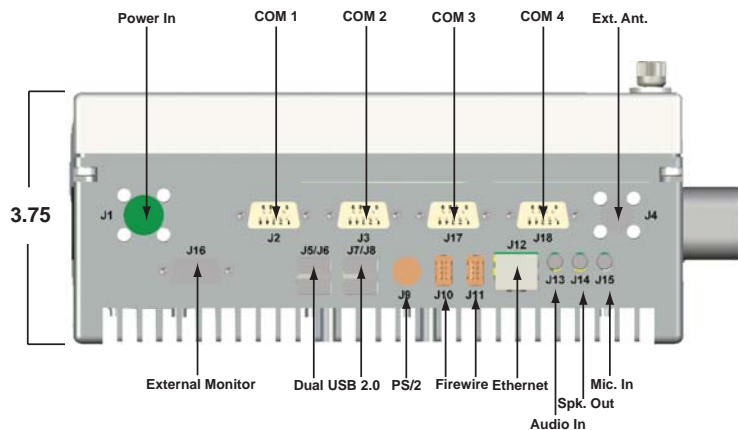
Physical Characteristics (8.4" Screen Size)

Size	.657 in. H x 9.18 in. W x 3.75 in. D (16.7cm H x 23.3cm W x 9.5cm D)
Weight	.65 lbs. (3 Kg)

Front View (8.4" Screen Size)



Bottom View (8.4" Screen Size)



Ordering Information

Part Number: 9300 - <Display Size><Configuration> - <Paint>

<Display Size>

08	8.4" Display
10	10" Display
12	12" Display
15	15" Display

<Configuration>

XXContact DataMetrics™ for specifications.

<Paint>

P005	Semi-gloss Gray Polyurethane/Smooth Finish
P037	Semi-gloss Gray Polyurethane/Med. Texture
C000	Chemical Clear Film
C001	Chemical Yellow/Gold Film
A000	Anodize Black
A001	Anodize Gray