



REASONS TO USE A VMC SMARTDISPLAY™ DATA BUS TERMINAL in Your Vehicle



Commercial, industrial, mining and agricultural off road vehicles live in harsh environments. High duty cycle, temperature extremes, rising fuel costs, and increasing emissions regulations are pushing vehicle designers towards increasingly complex vehicle control systems. Additionally, increasing productivity requirements are pushing the adoption of text messaging, automated reporting, and vehicle tracking. The SmartDisplay™ system provides you with rapidly attainable and scalable capability to help address your vehicle and customers' technology needs.

1. Fastest, easiest way to equip your dashboard with an interface to the on-board vehicle data bus. Get new monitoring and messaging features into your vehicle design quickly at the lowest total project cost.
2. No PC required in your vehicle. Reduces system cost and improves vehicle reliability.
3. Rugged and dependable. OEM proven in thousands of Class 8 trucking, mining equipment, and other specialty vehicles.
4. Screen design software simplifies GUI creation and ensures you can display the most pertinent and critical data.
5. Screen development can be done by you or by VMC. Software training classes available.
6. Scalability allows you to modify the terminal's software as your monitoring, interface, and connectivity requirements change. Scalability eliminates expensive redesign and enables hardware standardization so you can focus on other aspects of your vehicle design.
7. Industry standard protocols supported: SAEJ1708, SAEJ1939, CAN, and other versions available.
8. Cellular modem available to connect your vehicle to wi-fi. Improve vehicle operator efficiency with applications such as messaging and automatic vehicle location technology.
9. Blue tooth compatible to simplify data routing and eliminate wires in your vehicle.
10. Two display sizes to accommodate space constraints in your vehicle's dash.
11. Readable at a glance EL displays decrease time to perception, thereby minimizing safety risks caused by distraction.
12. Display dims for comfortable nighttime viewing.
13. Display lasts over 100,000/hrs with 90% of original luminance.
14. Wide temperature (-40°C to +85°C) for use in vehicles used in cold and hot climates without performance degradation. "Instant On" capability with <1ms response time across entire operating temperature spectrum means users can see the required information in any weather condition.
15. Locking and waterproof connectors to ensure connection integrity. Eliminates expensive field service repairs due to loose wiring connections.
16. Resistant to vibration and shock. No backlights to replace or service because EL is a solid state display technology.
17. Improves system reliability
18. Rubber switches provide tactile feedback even with a gloved hand.
19. Enclosed terminal or board level components available to assist you with integration inside your vehicle.
20. International support offered by Planar Systems and Vehicle Monitor Corporation.



WEATHERPROOF ENCLOSURE

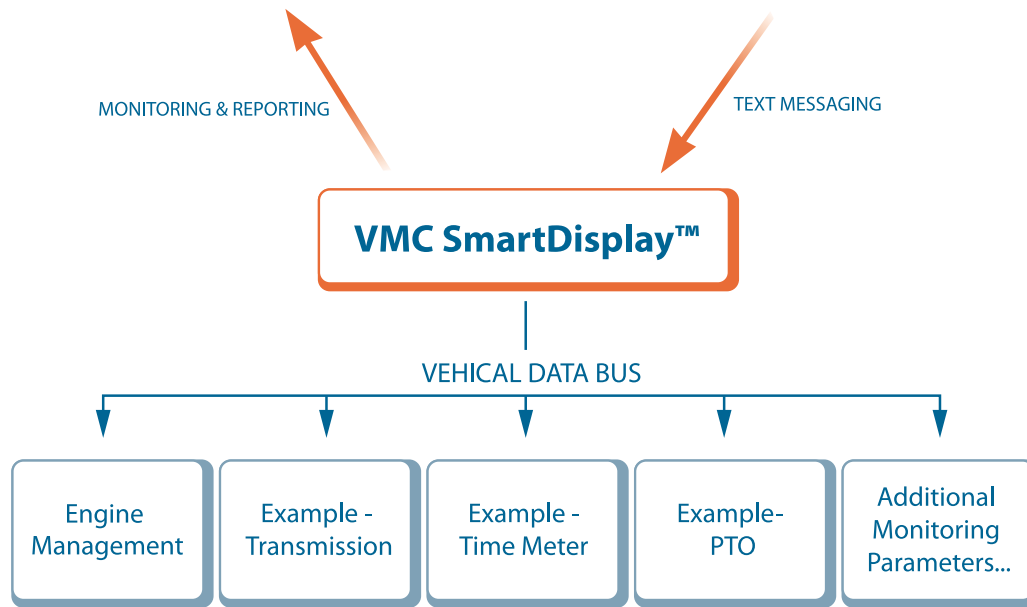


DASH MOUNTED ENCLOSURE



CIRCUIT BOARD & DISPLAY

How It Works



SPECIFICATIONS	SMARTDISPLAY DATA BUS TERMINAL
Screens	Up to 100 user definable screen views
Bus Compatibility	J1708 standard, J1939, CAN, others available
Operating Temperature	-40°C to +85°C (version dependent)
Connectivity Options	WiFi, Bluetooth, Radio
Power	12VDC or 24VDC (version dependent)
Displays	Daylight readable EL (QVGA or 160 x 80)

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