VeeCAN 800

The VeeCAN 800 features a 7” Resistive Touchscreen Color Display that integrates engine and diagnostic information into a simple yet powerful interface.

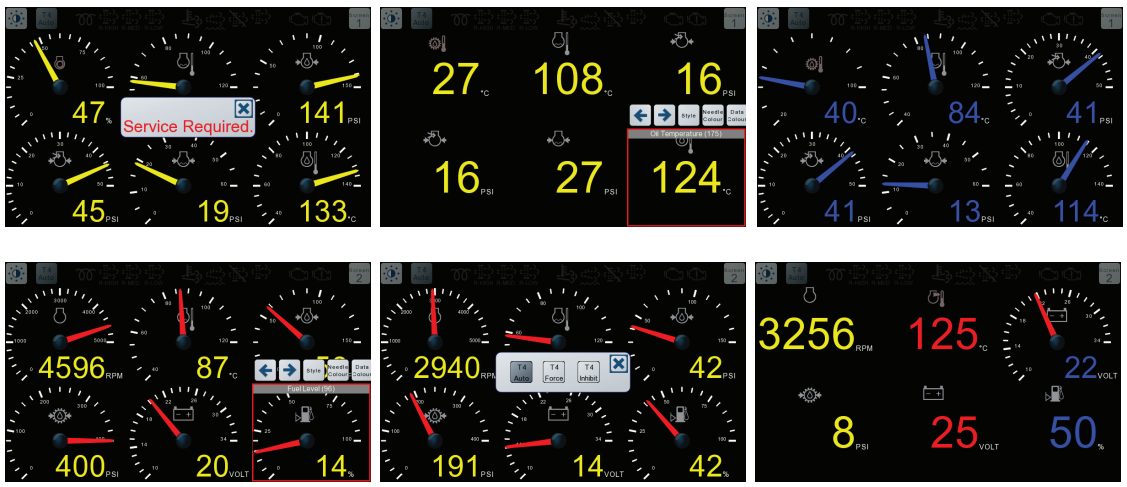
The VeeCAN 800 comes fully loaded with 14 analog inputs, 4 digital outputs, 8 switched outputs, 2 CAN connections, Ethernet and 2 USB ports.

The customizable color display is fully sunlight viewable and the unit is completely sealed to IP66 (front) and IP67 (back).

Electronically and environmentally rugged, the VeeCAN 800 is ready to meet the challenges of providing tough, flexible instrumentation for harsh environments.

Using the powerful Freescale iMX286 (running at 454 MHz) processor, software programmers can quickly put together a project using Veethree’s proprietary SDK (software developers kit) and proven Veethree component-based library and application software can quickly be tested on the PC with the built-in on-screen PC simulator.

SCREEN-SHOT EXAMPLES



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AT A GLANCE

FEATURES

- 7” Resistive Touchscreen Color Display
- WVGA Graphical high resolution 800 x 400 pixels color TFT LCD. total sunlight viewing.
- Fully sealed to IP66 (front) and IP67 (back) using three 12 way Deutsch connectors and two USB ports.
- CAN 2.0B (2), USB 2.0 (2), Ethernet, RS232, Analog and Digital IO
- Open Software Developers Kit (SDK).
- Modern contemporary design can be branded for individual customers.
- VEM (Veethree Engine Monitoring) units come fully loaded to monitor key engine functions including the new TIER 4 information.
- Internal Buzzer
- Potential for multiple accessed screens via user defined touchscreen buttons.
- Front-mounting kit supplied as standard.
- Can act as part of a control system, not just a display and/or data logger.

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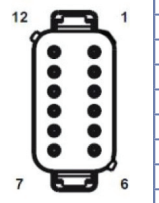
SPECIFICATIONS

HARDWARE	
Micro Controller Unit	Processor is Freescale iMX286, running at 454 MHz
Flash Memory	128 MB
RAM	128 MB
ELECTRICAL	
Display	TFT LCD
Resolution	800 (H) x 480 (V) WVGA
Active Area	152.40 (H) x 91.44 (V)
Viewing Angle	60° Left, 60° Right, 60° Down, 50° Up
Number of Colors	262K
Contrast Ratio	400:1 ratio
Brightness	800 NIT (cd/m2) Full sunlight readable
Power Requirements	10- 32 VDC supply (reverse polarity protected)
Connection	(3) 12 Pin Deutsch DT04- 12P
Communications	CAN 2.0B (2), USB 2.0 (2), Ethernet, RS232
ENVIRONMENTAL	
Operating Temperature	-30°C to +80°C
Storing Temperature	-40°C to +80°C
Degree of Protection	IP66 (front) and IP67 (back)
MECHANICAL	
Case Material	ABS
Case Color	Anthracite Grey
Dimensions	205(W) x 157(H) x 30 mm forward and 28 mm rear (D)

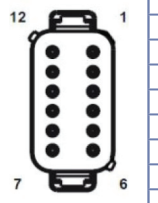
PRIMARY CONNECTOR

1	Ground
2	Ground & Power (10-32V DC). Supply should be protected by 500mA - Rated circuit breaker/fuse.
3	Relay/Solenoid Output 1
4	Relay/Solenoid Output 2
5	Isolated CAN Supply (-)
6	Isolated CAN Supply (+)
7	Isolated CAN Data H
8	Isolated CAN Data L
9	Relay/Solenoid Output 3
10	Relay/Solenoid Output 4
11	Primary CAN Data L
12	Primary CAN Data H



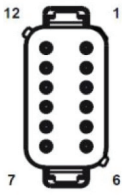
SECONDARY CONNECTOR

1	Sensor 1 Analog Input
2	Sensor 2 Analog Input
3	Sensor 3 Analog Input
4	Sensor 4 Analog Input
5	Sensor 5 Analog Input
6	Sensor 6 Analog Input
7	Sensor 7 Analog Input
8	Digital Input/Flow Sensor 1
9	Digital Input/Flow Sensor 2
10	Tachometer Input
11	RS232 Receiver
12	RS232 Transmit

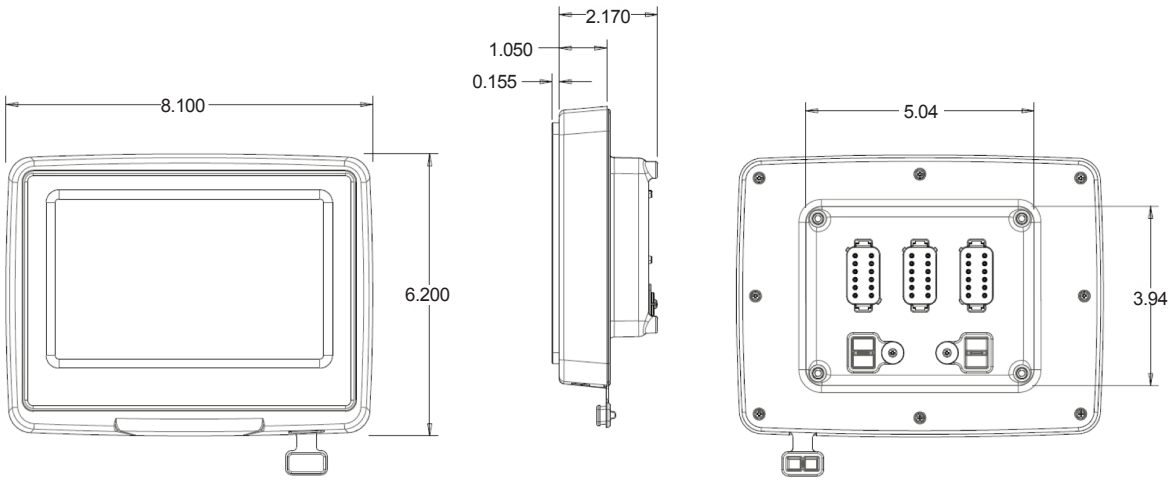


TERTIARY CONNECTOR

1	Sensor 8 Analog Input
2	Sensor 9 Analog Input
3	Sensor 10 Analog Input
4	Sensor 11 Analog Input
5	Sensor 12 Analog Input
6	Sensor 13 Analog Input
7	Sensor 14 Analog Input
8	Digital Input/Flow Sensor 3
9	Relay/Solenoid Output 5
10	Relay/Solenoid Output 6
11	Relay/Solenoid Output 7
12	Relay/Solenoid Output 8



DIMENSIONS



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