Product Sheet

## Description

The **PR3846 CAN Bus HMI Mobile Computer 8.4''** **Touchscreen Display** is a data terminal which runs under Windows® Embedded Compact 7. It is equipped with a bright TFT LCD resistive touchscreen.

This human-to-machine interface is an embedded open architecture platform designed for in-vehicle use. The **PR3846** is not only interfaces with J1939 and many standard communication systems but it also provides a platform for the new in-vehicle demand.

This system is equipped with up to 4 video inputs for NTSC cameras, which can be used as backup cameras or for monitoring.



## Features
- Bright TFT 8.4 inches with 800x600 resolution.
- Metal enclosure.
- Open architecture, allowing designers to create their own application.
- Piezo (Beeper).
- 1 LIN communication link.
- 2 USB ports.
- 1 RS-232 com port.
- 4 NTSC analog video inputs.
- 2 microphone inputs, 1 stereo output (optional).
- 1 Ethernet port.

## Applications
- Machinery.
- Mining equipment.
- Emergency vehicles.
- Electric vehicles.
- Work trucks.
- Any kind of mobile machine.

## Benefits
- Small and compact embedded computer; can be installed anywhere in the vehicle.
- Cost effective 8.4'' colour display.
- Customizable datalogger.
- Featured with general purpose I/Os for additional functions.
- Compatible with most CAN protocols, RS-232 and LIN.
- Configurable using Vision*Plex*III™ software.

**Product Sheet**

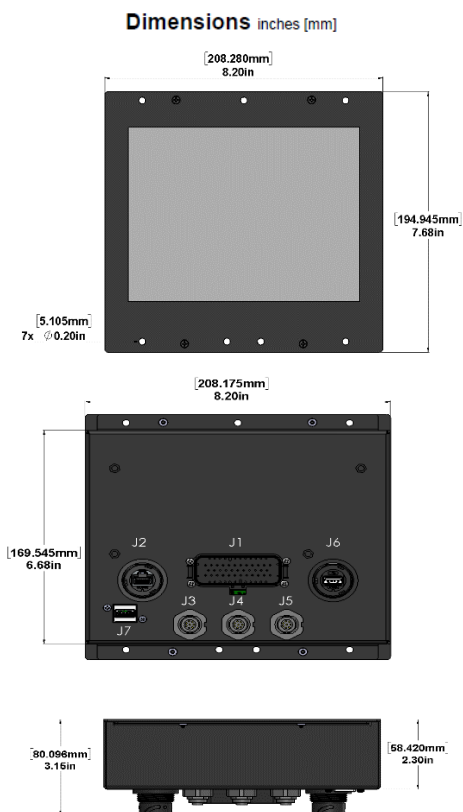## Dimensions



**Dimensions** inches [mm]

[208.280mm]
8.20in

[194.945mm]
7.68in

[5.105mm]
7x ⌀0.20in

[208.175mm]
8.20in

J2   J1   J6

J7   J3   J4   J5

[169.545mm]
6.68in

[80.096mm]
3.16in

[58.420mm]
2.30in

## Technical Information

- 64-bit ARM processor, running at 800 MHz.
- 2 GB RAM and 8 GB Flash.
- Design in accordance with SAE-J1455 and SAE-J1113.
- Operating supply voltage range: 9 to 32 V.
- Reverse polarity protection.
- Operational temperature range: -20 °C to + 60 °C.
- 2 CAN2.0b ports.
- 10-bit analog to digital converter for analog inputs.
- 1 voltage reference (5 V).
- Luminance: 800 cd/m².

### 10 Inputs

- (**6**) (*A34*): Analog: 0-34 V.
- (**2**) (*A34F*): Analog: 0-34 V, Frequency.
- (**2**) (*A6CZ*): software configurable: Analog: 0-6 V, Current: 4-20 mA, Impedance: 0-500Ω.

### 8 Outputs

- (**8**) (*H.5F*): software configurable: Source (0.5A): Digital, PWM (1%).

## Product Chart

| Description | Part # |
|---|---|
| No Soft, Option XML | PR3846-20-10-S00-00 |

## Related Products

| Description | Part # |
|---|---|
| PR3846 generic harness | PHG03846-PM0AAC-010 |
| **Vision***PlexIII* software with CAN to USB J1939 | KIT-PR1002-00 |

For more information regarding related products and options, we invite you to contact a sales representative.
Refer to the product specifications sheet for more details.

V1.01 : Specifications are subject to change without notice

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