



# FP3820 Touchscreen Color Display 4.3"

## Description

The FP38820 CAN Bus HMI Touch Screen Color Display is a mobile data terminal. It is Windows® CE™ 6.0 based and features a 4.3" bright TFT LCD touchscreen.

The unit offers the possibility to read directly the CAN OEM network in order to get the state of any sensor and other information available on the network. It can either be installed as a standalone unit or within a multiplexed communication network. The module includes interfaces for J1939 and other communication standards like LIN, RS-232 and USB2.0. The data terminal is the platform for new in-vehicle demands.

The PR3820 is fully IP67 rated and designed around a premium resistant touchscreen and industrial grade LCD with high luminosity, which allows it to be used outdoors. It is dust-tight and waterproof, as well as shock and vibration resistant.

## Applications

- Machinery.
- Mining equipment.
- Emergency vehicles.
- Work trucks.
- Marine applications.
- Any kind of mobile machine.

## Features

- Bright TFT 4.3 inches at a resolution of 480x272.
- Plastic case IP67 rated.
- Open architecture, allowing designers to create their own application.
- Piezo (Beeper).
- 1 LIN communication link.
- 1 USB port.
- 1 RS-232 com port (optional).
- 1 Ethernet port (optional).
- E, CE and RoHS2 certified.

## Benefits

- Small and compact unit; can be installed anywhere in the vehicle.
- Most cost effective 4.3" color display on the market.
- Highest screen brightness available on the market.
- Customizable data-logger.
- Featured with general purpose I/Os for additional functions.
- Compatible with most CAN protocols, RS-232 and LIN.
- Configurable using FastPlexIII™ software.



### Dimensions



### Technical Information

- 32-bit ARM processor, running at 400 MHz.
- 64 MB RAM and 128 MB NAND for data memory.
- 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 +70°C.
- 2 CAN2.0b ports, 1 SAE-J1939.
- 12-bit analog to digital converter for analog inputs.
- 1 voltage reference (5V).
- Luminance: 400 cd/m<sup>2</sup>.

### 8 Inputs

- (6) (A30): Analog: 0-30V.
- (2) (A30Z) Software configurable:  
Analog: 0-30V, Impedance: 0-600Ω.

### 4 Outputs

- (2) (H.5F) Software configurable:  
Source (0.5A): Digital, PWM (1%).
- (2) (H.5): Source (0.5A): Digital.

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.