

## RUGGED MACHINE DISPLAY FOR GRADEMETRIX\* SYSTEMS

FMD-1 is a next-generation rugged display and computer designed for tough and extreme conditions. Ideal for agriculture environments requiring an easy to read display, powerful I/O, and flexible adoption into multiple applications.

FMD-1 is equipped with a 10.1" edge-to-edge display containing a high-sensitivity touchscreen. Providing an IP65 rating, FMD-1 is designed to function in challenging environments including agriculture. Showcasing an outstanding image quality with a 1920x1200 resolution, the FMD-1 is easy to read and use in low or high visibility scenarios. With the processing power of an Intel dual-core processor, the FMD-1 will handle large file transfers and complex file formats.

FMD-1 includes 64GB of flash memory with the option to extend the storage capabilities with a MicroSD card. FMD-1 runs on either Linux or Windows platforms.

## **Key Features**

- High-resolution screen
- Powerful CPU for embedded applications
- Supports Linux and Windows OS options
- Connectivity with integrated cell modem

**System** 

**Processor:** Intel® Celeron N3350

System

Memory: DDR3L 1600 SO-DIMM 4GB

Storage: M.2 SSD 64GB

Operating

**System:** Ubuntu 18.04 or Windows

Screen

Display Type: 10.1" TFT edge-to-edge projective-

capacitive multi-touch screen

**Resolution:** 1920 x 1200, widescreen

**Brightness:** 700 cd/m **Contrast Ratio:** 800:1

Max Colors: 16.7M (8-bit)

Communication

 COM Port:
 2× R\$232

 USB Port:
 2× U\$B 2.0

 SD Slot:
 1× Micro\$D

 Ethernet:
 2× 10/100 LAN

 CANBUS:
 2× CANBUS

**Wi-Fi:** 802.11 a/b/g/n/ac (Up to 867 Mbps

data rate)

**Bluetooth:** Bluetooth 4.1

Cellular: 4G LTE

Mechanical

**Dimensions:** 9.30 in L x 6.73 in H x 1.40 in W **Mount:** RAM Mount (1.5 in x 1.18 in)

4x M5-0.8 x 10 mm Philips screws

provided

**Environmental** 

**Operating** 

**Temperature:** -4°F to 140°F

Operating

Humidity: 30% ~ 90% (Non-condensing)

Enclosure: IP65

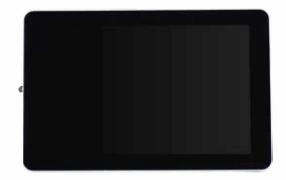
**Power** 

Input Voltage: 9 - 36 VDC

Sensor and Multimedia

1x 1W Speaker















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