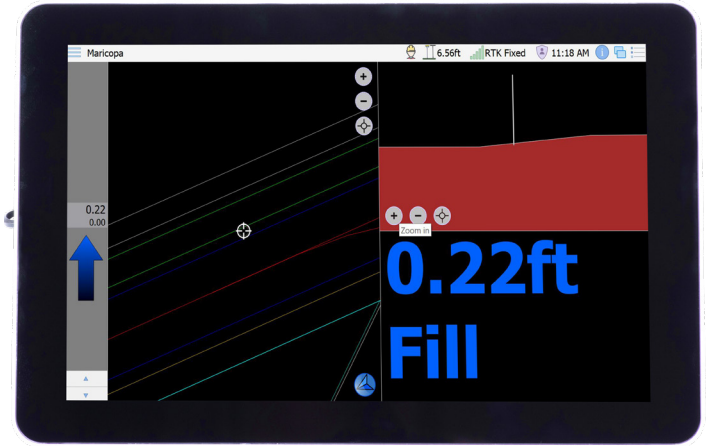# OEM HARDWARE FOR PRECISION AGRICULTURE SYSTEMS

IronTwo 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.

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

IronTwo includes 64GB of flash memory with the option to extend the storage capabilities with a MicroSD card. IronTwo 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× RS232 |
| **USB Port:** | 2× USB 2.0 |
| **SD Slot:** | 1× MicroSD |
| **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 |

## Mechanical

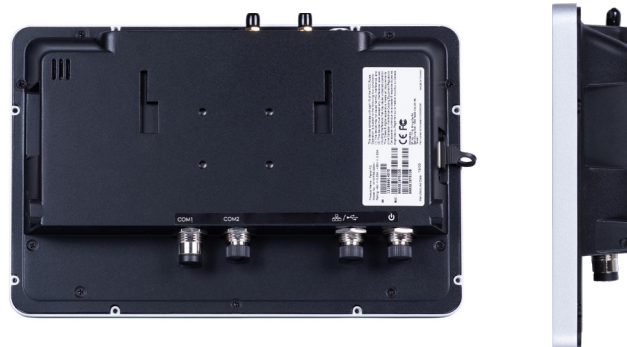| | |
|---|---|
| **Dimensions:** | 263.28 L x 171 H x 35.7 W (mm) |
| **Mount:** | RAM Mount (38.1 x 30 mm) 4x M5-0.8 x 10 mm Philips screws provided |

## Environmental

| | |
|---|---|
| **Operating Temperature:** | -20°C to +60°C |
| **Operating Humidity:** | 30% ~ 90% (Non-condensing) |
| **Enclosure:** | IP65 |

## Power

| | |
|---|---|
| **Input Voltage:** | 9 - 36 VDC |

## Sensor & Multimedia

| | |
|---|---|
| | 1x 1W Speaker |

**Hemisphere**®

**Hemisphere GNSS**
8515 E. Anderson Drive
Scottsdale, AZ 85255, USA

Phone: +1 (480) 348-6380
Toll-Free: +1 (855) 203-1770
Fax: +1 (480) 270-5070

precision@hgnss.com
hgnss.com