



## RUGGED TABLET PC FOR MACHINE CONTROL SYSTEMS



IronOne is a rugged display and computer designed for tough and extreme conditions. Ideal for machine control environments requiring an easy to read display, powerful I/O, and flexible adoption into multiple applications.

IronOne is equipped with an 8" LCD display containing a high-sensitivity touchscreen. Providing an IP67 rating, IronOne is designed to function in challenging environments including machine control. Showcasing an outstanding image quality with a 1280x720 resolution, the IronOne is easy to read and use in low or high visibility scenarios. With the processing power of an Intel dual-core processor, the IronOne will handle large file transfers and complex file formats. IronOne includes 32GB internal SSD.

IronOne runs on a fully featured Windows 10 platform. Allowing complete Windows support with the ruggedness to stand up to the extreme environments of heavy machinery.

### Key Features

- Windows 10 operating system
- Wi-Fi and Ethernet support
- Cellular modem allows for full connectivity in the field
- IP67 certified

## System

<b>Processor:</b>	Intel Atom dual-core CPU E3825 @ 1.33 GHz
<b>Storage:</b>	SSD 32GB, RAM 2GB
<b>Operating System:</b>	Windows 10

## Screen

<b>Display Type:</b>	8" TFT-LCD capacitive touchscreen
<b>Size:</b>	192.8 mm x 116.9 mm (7.59" x 4.6")
<b>Resolution:</b>	1280 x 720, 16:9
<b>Luminance:</b>	750 nit

## Input

<b>Power Button:</b>	1x mechanical waterproof button
<b>Function Button:</b>	2x mechanical waterproof buttons
<b>Ignition Input:</b>	Yes

## Communication

<b>Serial Port:</b>	1x RS232x1, 1x RS422/RS485/RS232 (software controlled)
<b>Camera Interface:</b>	2x CVBS
<b>USB:</b>	1x USB 2.0
<b>Ethernet:</b>	10/100
<b>Wi-Fi:</b>	IEEE 802.11b/g/n
<b>Cellular:</b>	4G LTE
<b>Data I/O Protocol:</b>	NMEA 0183

## Mechanical

<b>Dimensions:</b>	22.9 L x 16.9 W x 5.2 H (cm) 9.0 L x 6.6 W x 2.0 H (in)
<b>Weight:</b>	1.38 kg (3.04 lbs)
<b>Mount:</b>	Adjustable 1.5" RAM ball mount

## Environmental

<b>Operating Temperature:</b>	-20°C to +70°C (-4°F to 158°F)
<b>Storage Temperature:</b>	-40°C to +85°C (-40°F to 185°F)
<b>Operating Humidity:</b>	30% ~ 95% (Relative Humidity)
<b>Storage Humidity:</b>	45% ~ 80% (Relative Humidity)
<b>Enclosure:</b>	IP67
<b>Vibration:</b>	EP455 5.15

## Power

<b>Input Voltage:</b>	7 - 36 VDC
<b>Power Consumption:</b>	36 W
<b>Current Consumption:</b>	3.0 A @ 12 VDC

## Sensor & Multimedia

1x 2 W Buzzer
1x Headphone Jack



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