



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

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

Screen

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

Input

Power Button:	1x mechanical waterproof button
Function Button:	2x mechanical waterproof buttons
Ignition Input:	Yes

Communication

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

Mechanical

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

Environmental

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

Power

Input Voltage:	7 - 36 VDC
Power Consumption:	36 W
Current Consumption:	3.0 A @ 12 VDC

Sensor & Multimedia

1x 2 W Buzzer
1x Headphone Jack



Hemisphere GNSS

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