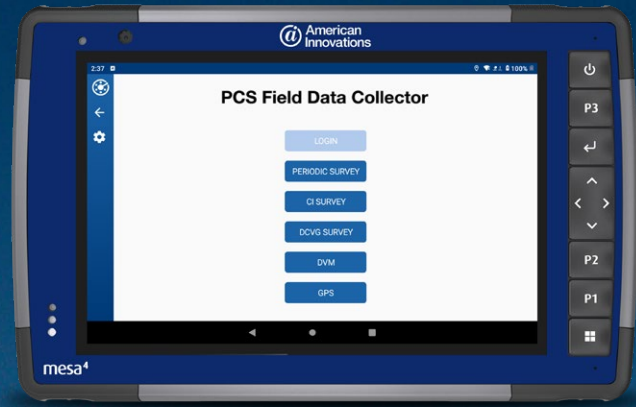


**NEW**

# Mesa Rugged Tablet for Windows



## Rugged data collection built for cathodic protection.

The Mesa Rugged Tablet for Windows was built for performance in extreme environments. Featuring the latest generation Intel processor for unparalleled speed and reliability, an ergonomic design for maximum comfort and ease of use, long battery life to keep you powered throughout the day, and a range of accessories to customize your experience, this tablet makes CP field data collection easier than ever.

### **ULTRA-RUGGED**

Meeting IP68 and MIL-STD-810H ratings, the Mesa Rugged Tablet for Windows is designed to work in the most extreme conditions. Rain, extreme temperatures, or dust will not get in the way of your productivity.

### **DVM FOR THE CATHODIC PROTECTION INDUSTRY**

The Bluetooth Digital Voltmeter, DVM2130, is built upon our patented technology to ensure highly accurate measurements in less than optimal environments.



### **YOUR OFFICE IN THE FIELD**

The seven-inch sunlight-readable display, high resolution camera, long battery life, and cellular capabilities enable you to be more productive in the field all day.

### **PCS FIELD DATA COLLECTOR APP**

The PCS Field Data Collector software works with your Mesa Rugged Tablet to streamline your survey workflow. Perform annual, periodic, DCVG, and close interval surveys, and validate inspection data in real time. Visual features, including maps, help you quickly see the area already surveyed and where you need to survey next. Available for Windows, iOS, and Android devices.



# MESA RUGGED TABLET FOR WINDOWS SPECIFICATIONS

## PROCESSOR

Intel® N200, 3.7 GHz burst

## OPERATING SYSTEM AND SOFTWARE

Microsoft® Windows 11 Pro

## MEMORY AND STORAGE

16 GB LPDDR5

256 GB PCIe SSD, MicroSDXC card slot

## WIRELESS CONNECTIVITY

Long-range Bluetooth® Smart Ready wireless technology, v5.0 + EDR, Class 1.5, BLE support

Wi-Fi 6 (802.11 ax), 2.4 GHz and 5 GHz Wi-Fi 6E

4G LTE multi-carrier capable

## GRAPHICS

Intel® Gen12 UHD Graphics

## DISPLAY

Active viewing area: 7" (178 mm)

Resolution: WXGA (1280 x 800)

High-visibility backlit LCD for best-in-class sunlight view-ability (800 NITS typical)

Portrait or landscape orientation with automatic screen rotation, with locking feature

## CAMERA

Front: 5 MP

Rear: 13 MP with LED illumination

## BATTERY

Removable Li-Ion battery, 43.2 Wh

Removable battery, easily changeable in field

Optimized for strong performance in cold temperatures

Excellent lifecycle performance

Optional internal 21.6 Wh battery provides hot-swap capability and an additional 5-6 hours runtime

## GPS/GNSS

2 to 5 meter accuracy NSSDA

Quectel LC79H Dual Frequency GNSS receiver and integrated antenna

Integrated real-time SBAS receiver (WAAS, EGNOS, etc.)

135 GNSS tracking channels

Optional: external antenna port

## PORTS

12V DC power input jack

USB-A (5 Gbps)

USB-C (5 Gbps, power delivery, DisplayPort)

Optional RS-232 9-Pin D-Sub connector with configurable 5V DC or 12V DC power output

Docking connector (Power, USB 2.0)

Loud output speaker for noisy environments

Dual digital microphone input

## TOUCHSCREEN

Projected capacitive multi-touch interface for use with gloves, small tip stylus, and in wet conditions

Optically bonded for increased visibility and strength

Chemically-strengthened Dragontrail™ HW cover glass for excellent impact and scratch resistance

## ENVIRONMENTAL

IP68 waterproof & dustproof

Operating temperature: -4 F to 122 F (-20° C to 50° C)

Storage temperature: -22 F to 158 F (-30° C to 70° C)

Shockproof: multiple drops from 4' (1.2-1.5 m) onto concrete

Designed to meet MIL-STD-810H test procedures: Method 501.7

High Temperature; Method 502.7 Low Temperature; Method

503.7 Temperature Shock; Method 507.6 Humidity; Method 514.8

Vibration; Method 516.8 Shock

## PHYSICAL

Size: 5.40" w x 8.48" l x 1.36" d (137 x 125 x 35 mm)

Weight: 1.5-2 lbs (680-907 g) depending on battery and expansion configuration

Durable, chemical- and shock-resistant design

Easy-to-grip, impact-absorbing, overmolded bumpers

Lightweight and ergonomic design

## STANDARD ACCESSORIES

Standard removable battery

Hand Strap

AC wall charger with international plug kit

Connector port dust cover

Capacitive small-tip stylus w/ tether

2-year warranty

Quick Start Guide



LEARN MORE: [aiworldwide.com/ mesa-rugged-tablet](https://aiworldwide.com/ mesa-rugged-tablet)

[aiworldwide.com](https://aiworldwide.com) • 800-229-3404 • [info@aiworldwide.com](mailto:info@aiworldwide.com)  
12211 Technology Blvd. Austin, TX 78727

# MESA RUGGED TABLET FOR WINDOWS SPECIFICATIONS

## CERTIFICATIONS AND STANDARDS

FDCC and ISED Certification (USA and Canada)

FCC Class B and ICES-003 Class B (USA and Canada)

CE Marking (EU Radio Equipment and RoHS Directives)

ACMA RCM (Australia)

United States Toxic Substances Control Act (TSCA)

California Prop 65

Canada Prohibition of Certain Toxic Substances

EU REACH, EU POP, SCIP, WEEE

Optional Hazloc: Class I, II, III, Div 2, Groups A, B, C, D, F, G

SCIP

WEEE

## SUPPORTED CELL CARRIERS

US: T-Mobile, AT&T, Verizon

Canada: Telus, Rogers, Bell Mobility, Sasktel (in Saskatchewan)

Australia: Telstra

## DVM SPECIFICATIONS

### WORKING VOLTAGE (DC)

250 V max. on primary input | 500 mV max. on shunt input\*

### WORKING VOLTAGE (AC)

175 V max. on primary input | 350 mV max. on shunt input\*

### INPUT IMPEDANCE

100 MΩ on primary input | 100 kΩ on shunt input\*

### MEASUREMENT CATEGORY

CAT II 250V

### GPS

Internal GNSS (GPS, GLONASS, Galileo, BeiDou)

### CONNECTIVITY

USB-C, Bluetooth v5

### BATTERY

Rechargeable Li-Ion via USB-C, 10-hour battery life

### DVM2130 DIMENSIONS

2.94" x 4.44" x 1.50"

### ACCURACY BY RANGE:

	Range	Accuracy**	Temp Coefficient
DC	500 mV	± (0.1% + 0.025 mV) <sup>†</sup>	0.007% / °C
	5 V	± (0.1% + 0.001 V) <sup>†</sup>	0.007% / °C
	250 V	± (0.1% + 0.001 V) <sup>†</sup>	0.007% / °C
AC	350 mV	± (0.1% + 0.05 V) <sup>†</sup>	N/A
	3.5 V	± (1% + 0.00105 V) <sup>††</sup>	N/A
	175 V	± (1% + 0.0525 V) <sup>††</sup>	N/A

### ACCURACY EXAMPLES:

Signal	Accuracy
100 mV	± 0.13 mV
850 mV	± 1.9 mV
50 V	± 0.1 V
100 mV	± 1.1 mV
850 mV	± 9.5 mV
50 V	± 0.55 V

\*This input has a range and impedance specially designed for measuring shunts more accurately.

\*\*Accuracy shown is for operation in temperatures from 15°C to 35°C. Annual calibration is required to maintain DVM accuracy.

<sup>†</sup>DC voltage error increases by 0.1% in the presence of 35 to 100 volts of AC interference.

<sup>††</sup>AC voltage accuracy applies to input frequencies of 50 or 60 Hz.

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