Acer Enduro Ruggedized Solutions

acer *for business*

Acer take's the field with a whole lineup of semi and fully-rugged products. From tablets to notebooks, our new devices represent a reliable tool to increase workers' efficiency and productivity in a variety of vertical segments such as public safety, transportation, health care, logistics and many more.

EN314-51W
- Windows® 10 Pro
- Intel® Core™ i5-10210U
- 14" (1920 x1080)
- 8GB DDR4
- 256GB SSD
- Wi-Fi 6 (802.11ax), Bluetooth® 5.1, webcam
- Smart card reader
- USB 3.2 Gen 1 and USB Type-C ™port
- HDMI® port, VGA port, RS232 port, RJ45 port
- Up to 13 hours of battery life
- MIL-STD, IP53

EN714-51W
- Windows® 10 Pro
- Intel® Core™ i5-8250U
- 14" (1920 x1080), IPS
- 8GB DDR4
- 128 GB SSD
- Wi-Fi 5 (802.11ac), Bluetooth® 4.2, webcam
- USB 3.2 Gen 1
- HDMI® port, RS232 port, RJ45 port
- Discrete Trusted Platform Module (TPM) solution
- Acer Bio-Protection fingerprint solution, featuring computer protection and Windows Hello Certification
- Up to 10 hours of battery life
- MIL-STD, IP65

ET110-31W
- Windows® 10 Pro
- Intel® Celeron® N3450
- 10.1"(1280x800), Multi-touch
- Corning® Gorilla® Glass
- 4GB DDR4
- 64GB eMMC
- Wi-Fi 5 (802.11ac), Bluetooth® 4.2, two webcams
- NFC, glove touch and optional bar code scanner
- USB 3.2 Gen 1 and Type-C ™port, HDMI® Mini Connector with HDCP support
- Up to 10 hours of battery life
- MIL-STD; IP54, Built-in GPS

ET510-51W
- Windows® 10 Pro
- Intel® Core™ M3-7Y30
- 10.1" (1920 x 1200), Multi-touch
- 4GB DDR3
- 128GB SSD
- Wi-Fi 5 (802.11ac), Bluetooth® 4.2, two webcams
- Micro USB port, HDMI® port, USB 3.2 Gen 1
- Up to 10 hours of battery life
- MIL-STD; IP65, Built-in GPS

ET108-11A
- Android® 9.0
- Mediatek MTK MT8385
- 8"(1280x800), Multi-touch
- Corning® Gorilla® Glass
- 4GB DDR4
- 64GB eMMC
- Wi-Fi 5 (802.11ac), Bluetooth® 4.1, two webcams
- NFC, glove touch and optional bar code scanner
- USB Type-C ™port
- Up to 9 hours of battery life
- MIL-STD, IP54

Military Grade Reliability

Acer's commitment to your business begins before you open the package. By testing our products to MIL-STD-810G standards and Ingress Protection against water and dust you can be assured that your product will withstand more than you throw at it on an average day in the classroom, warehouse or on site.

The following items are the tests that Acer Enduro devices bearing the MIL-STD-810G label have passed.

MIL-STD 810G Certified

Rain
Devices are tested against rain exposure, subjected to water sprays from a specified height and inspected for damage afterwards.

Humidity
Tested devices are subjected to cycles of humidity ranging from 59% to 88% over total 15 cycles

Vibration Test
After simulating a 1000-mile drive cross-country subjected to all degrees of bounces and vibrations, devices are tested to ensure proper performance.

Drop Test
The device is tested to simulate an accidental drop or bump shock requiring a free fall from up to 48 inches.

Sand and Dust
Devices and their components are tested for their resistance to exposure to dry, blowing sand as well as how they perform in dust-laden atmospheres.

High and Low Temperatures
Tested to ensure performance across all temperatures ranging from -25.6°F for over 8 hours and up to 120°F for over 8 hours.

Low Pressure Testing
Devices are tested in low pressure environments for an extended period of time to simulate both transportation and operation while in an airplane.

Temperature Shock
Devices are tested to determine their resilience to rapid changes in temperature between -5.8°F to 140°F.

Salt Fog
The salt fog test is used to determine the effectiveness of a device's protective coating and finish while also checking the effect of salt deposits that make it onto the interior electrical components.

IP Testing

Ingress Protection testing is separate to MIL-STD-810G and offers a guarantee as to how much dust and liquid the device will withstand. It is published by the International Electrotechnical Commission (IEC). The equivalent European standard is EN 60529. The first number represents the amount of solids that can enter, and the second number represents the amount of protection from moisture such as drips, sprays, submersion etc. The table below explains what each number means. For example IP54 is partial protection against dust and protected against splash water from any direction for a minimum of 10 minutes.

Solid (First Number)		**Liquid** (Second Number)	
Protected against solid objects over 50mm (1.96") in diameter e.g. hands, large tools.	1	Protected against vertically falling drops of water or condensation.	1
Protected against solid objects not over 80mm (3.14) in length and 12 mm in diameter.	2	Protected against falling drops of water, deflected up to 15° from vertical.	2
Protected against solid objects over 2.5mm (0.09") e.g. wire, small tools.	3	Protected against sprays of water from any direction, even if the case is deflected up to 60° from vertical.	3
Protected against solid objects over 1mm (0.04") e.g. wires.	4	Protected against splash water from any direction for a minimum of 10 minutes.	4
Partial protection against dust that may harm equipment.	5	Protected against low pressure water jets (6.3mm (0.24")) from any direction. Limited ingress permitted.	5
Totally protected against dust ingress including a vacuum seal, tested against continuous airflow.	6	Protected against high pressure water jets from any direction. Limited ingress permitted.	6
		Protected against the effects of immersion in water between 15cm (5.90") and 1 meter (39.37") for 30 minutes.	7
		Protected against the effects of immersion in water under pressure for long periods.	8

🖥 + 🖥 = IP54