

# Aegex100M™ Intrinsically Safe Tablet

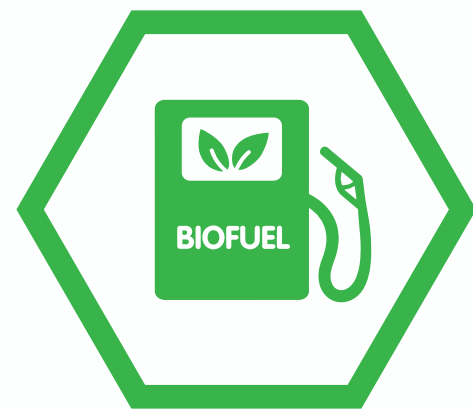
**Aegex Technologies is proud to offer its 2nd Generation intrinsically safe tablet**, the Aegex100M with faster wireless services, enhanced memory, and expanded storage. Operating in the most hazardous industries with explosive environments, Aegex solutions bring real-time connectivity to help organizations harness the power of data to optimize efficiency.



Oil and Gas



Chemical



Biofuel



Pharmaceutical



Paints &  
Specialty Coatings



Food &  
Beverage

**The Aegex100M™ Intrinsically Safe Tablet is positioned to be the most advanced, efficient, and rugged Windows tablet**, with Zone 1, Zone 0\* / CI, D1 certification in hazardous areas. Simple to deploy, it is the basis for an Industrial Internet of Things platform for hazardous industries, allowing operations to easily begin their digital transformation to Industry 4.0

## Purpose-Built Intrinsically Safe

Designed from the ground up to be the lightest and fastest Windows device in its class, the Aegex100M is certified for ATEX/IECEX Zone 1, Zone 0\* and in accordance with UL 913 Class I, II, III, Division 1.

## Hazardous Area Mobility

At the center of hazardous area mobility, the Aegex100M supports all of your operational needs including: Maintenance, Inspections, Workflow Management, Automation & Process Control, MES, Diagnostics & Calibration, HMI, Asset Management and many more.

## Enterprise Class Solutions

Safely and securely connect your hazardous area operations and allow your teams to share mission-critical data across the entire organization; enabling greater visibility, collaboration, decision making, and performance.



### Certification for:

ATEX/IECEX Zone 1, Zone 0\*

Class I, II, III, Division 1

Class I, II, III, Zone 1, Zone 0\*

\* with Aegex leather case

- 10.1" AHVA Display
- Powered by Intel Quad-Core Atom Processor
- 8GB RAM



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# SPECIFICATIONS

## Certifications

Zone 1, Zone 0\* Certification according to ATEX, IECEx and UL 913, 8th ed. Standards.  
\*with Aegex leather case

**Pending certification:** UL 913 8th Edition, CSA C22.2 No. 60079-0:2018, CSA C22.3 No. 60079-11:2012  
Class I, II, III Division 1 Groups C,D, T4  
Class I, II, III Division 2 Groups C,D, T4  
Class I Zone 0 AEx ia IIB T4 Ga”

**IECEx**  
Ex ia IIB T4 Ga  
Tamb = -20°C...+55°C, IP67

**ATEX**  
II 1 G Ex ia IIB T4 Ga  
Tamb = -20°C...+55°C, IP67

## Exterior

W x H x D: 278 x 207 x 13.8 mm (10.94 x 8.15 x 0.54 in) – without battery  
W x H x D: 278 x 207 x 28.3 mm (10.94 x 8.15 x 1.11 in) – at battery section  
  
Estimated final weight: 1430g (3.08 lbs)

## Display

10.1” / 25.6 cm AHVA display  
WQXGA (2560 x 1600 px)  
Contrast 1000:1 (min.: 800:1)  
Brightness 540 NITs  
Viewing angle (up/down, left/right) 170°  
16.7M colors

## Battery

7.2V 2 x 3450mAh, 49.68Wh  
Rechargeable Lithium Ion

## Charging Time

0-90% in 3.5 hours; 100% in approx. 4.5 hours

## CPU & Storage

Intel® Quad-Core processor  
Base: 1.6GHz, Burst 1.8GHz  
8GB RAM, 256GB storage  
MicroSDXC Card Slot (up to 2 TB cards supported)

## Wireless & LTE

Wi-Fi 802.11 a/b/g/n/ac/  
Bluetooth 5.2 + HS  
NFC  
LTE FDD: Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32, 66  
LTE TDD: 38, 39, 40, 41, 42, 43, 46 (LAA)/B48 (CBRS)  
WCDMA: Band 1, 2, 3, 4, 5, 6, 8, 19



## Location

GPS / GLONASS / Galileo

## Connections

Magnetic pin connector for charging with Aegex Wall Charger  
Docking connector supports LAN, USB 2.0, 3.0, USB-C, HDMI, SD Card, and audio jack

## Software

Windows 11 IoT  
AegexScan™ Barcode Scanning Application – Optional

## Video & Audio

Main Camera (rear-facing): 8MP Auto-focus with flash  
Image: 3264 x 2448 px jpg, video: 1080p (Full HD 1920 x 1080) 30 fps

Secondary Camera (Front-facing)  
Image: 1920 x 1080 px jpg, video: 1080p (FullHD 1920x1080) 30 fps

1 digital microphone front facing microphone array. Stereo speakers

## Sensors

Ambient light sensor (ALS), Accelerometer, Gyroscope, E-Compass, SAR proximity sensor

## Security

Intel® TXE Boot Guard 2.0  
FW TPM (Intel® PTT3)  
Intel® Trusted Execution Engine Interface (Intel® TXEI) Driver  
Intel AES New Instructions  
BitLocker

## In the Box

Aegex100M™ Intrinsically Safe Tablet  
Tablet Charger: 12VDC 3.33A power supply, adaptor, shoulder strap, and stylus

To request a demo or to talk to a product specialist, please contact our nearest office or go to:

**www.aegex.com**

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