



AESEX100M™ INTRINSICALLY SAFE TABLET



The Aegex100M™ Intrinsically Safe Tablet is Aegex's 2nd Generation device, built for the toughest hazardous environments. With faster wireless, more memory, and expanded storage, it delivers rugged performance and real-time connectivity. Certified for Zone 1, Zone 0*/CI, D1, the Aegex100M is simple to deploy and empowers industrial operations to accelerate digital transformation and embrace Industry 4.0.

- ✓ **Purpose-Built Intrinsically Safe**
Built safe from the inside out, the Aegex100M™ combines intrinsic safety with unmatched speed, lightness, and global certification.
- ✓ **Hazardous Area Mobility**
The Aegex100M™ is central to hazardous-area mobility, supporting everything from maintenance and inspections to automation, asset management, and beyond.
- ✓ **Enterprise Class Solutions**
Connect hazardous operations securely, empowering teams with real-time data for better decisions and performance.



10.1" AHVA Display



Powered by Intel Quad-Core Atom Processor

8GB RAM



Oil and Gas



Chemical



Utilities



Pharmaceutical



Paints & Specialty Coatings



Food & Beverage



CERTIFICATION FOR:

ATEX, IECEx Zone 1, Zone 0*
Class I, Division 1, 2
*with Aegex Zone 0 case



SPECIFICATIONS

Certifications

Zone 1, Zone 0* Certification according to ATEX, IECEx and UL 913, 8th ed. Standards

*with Aegex leather case

UL 913 8th Edition, CSA 22.2, No. 60079-0:2018 CSA 22.2, No. 60079-11:2012

Class I,II,III Division 1 Groups A – G T4

Class I,II, III Division 2 Groups A - D, F, G T4

Class I, II, III, Zone 0 Groups A - G T4

Class I, II, III, Zone 1 Groups A - G T4

Class I, II, III, Zone 2 Groups A - D, F, G T4

Ex ia IIC T4 Ga

Ex ia IIIC 135°C Da

Tamb= -20°C... +55°C

IP67

IECEx NMK25.0015X

Ex ia IIC T4 Ga

Ex ia IIIC 135°C Da

Tamb = -20°C...+55°C

Um: 20V

IP67

ATEX 25ATEX1007X II

1G Ex ia IIC T4 Ga II 1D

Ex ia IIIC 135°C Da Tamb

= -20°C...+55°C Um: 20V

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)

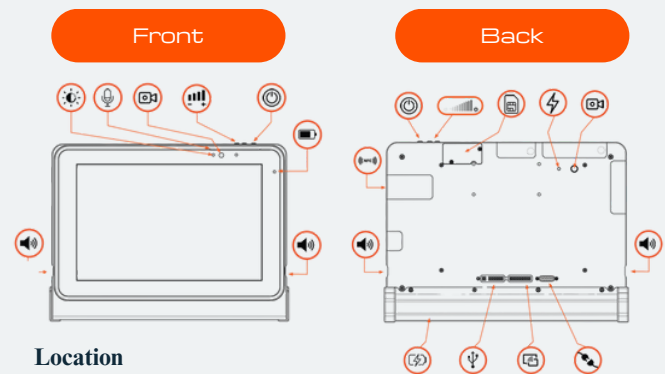
Wireless & LTE

Wi-Fi 802.11 a/b/g/n/ac/

Bluetooth 5.2 + HS

NFC

LTE Optional: Worldwide LTE-A Cat 12 and UMTS/ HSPA+



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

