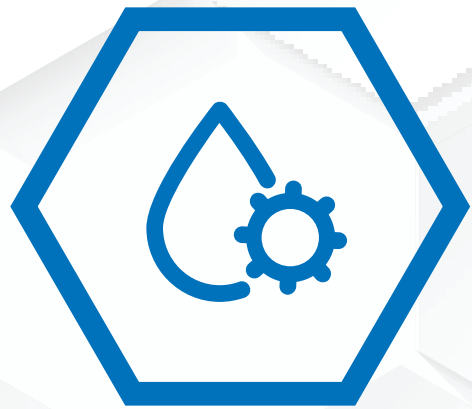


Aegex100M™ Intrinsically Safe Tablet

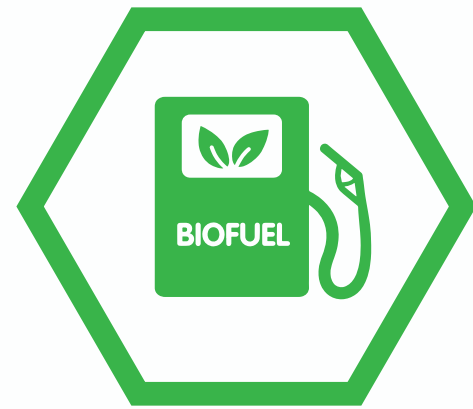
Aegex Technologies' 2nd Generation intrinsically safe tablet offers improved safety in several key measurements, and increased performance with enhanced memory and expanded storage. Operating in the most hazardous industries with explosive environments, Aegex solutions bring real-time connectivity to 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 pending Zone 0 / Division 1 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 currently pending certification for ATEX/IECEX Zone 0 and 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.



Pending Certification for:

ATEX / IECEx Zone 0
UL913 C I, II, III Div 1

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



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SPECIFICATIONS

Submitted for the following Intrinsically Safe Certifications

In certification for Zone 1 & Zone 0 certification according to ATEX, IECEx, and UL 913 standards. Following are the planned certifications:

UL 913 8th Edition, CSA C22.2 No. 60079-0 & -11

Class I, II, III, Division 1, Groups A-G, T4
Tamb = -20° C...+50° C, IP67

IECEx

Ex ia IIC T4 Gb
Ex ia IIIC T135° C Db
Tamb = -20° C...+50° C, IP67

ATEX

II 2G Ex ia IIC T4 Gb
II 2D Ex ia IIIC T135° C Db
Tamb = -20° C...+50° 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: 1400g (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

7.4V, 6500mAh, 48.1Wh
Rechargeable Lithium Cobalt Oxide

Charging Time (In standby)

Wall adaptor: 0-90% in 2.5hours, to 100% in approx. 3.5 hours
Docking station: 0-90% in 2.5hours, to 100% in approx. 3.5 hours

CPU & Storage

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

Wireless & LTE

WiFi 802.11 a/b/g/n/ac/r/k/v/w/hc/ax
Bluetooth 5.2 + HS
LTE: Supported Bands TBD
NFC



Location

GPS / GLONASS / Galileo
(Cold start <30s, Hot start < 2s)

Connections

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

Software

Windows 10 IoT Enterprise
AegexScan 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

2 digital microphones (Front/Back), 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
Wall charger (12VDC 3.5A power supply and adaptor)

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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