



aegex10™ intrinsically safe tablet

Aegex Technologies provides intrinsically safe solutions for the world's most hazardous industrial operations in oil and gas, chemical, mining, pharmaceutical, public safety, utilities and other industries with explosive environments. Aegex solutions bring real-time connectivity to hazardous areas, helping organizations harness the power of data to optimize efficiency, safety and productivity.



Oil & Gas



Chemical



Mining



Pharmaceutical



Public Safety



Utilities

The **aegex10™ Intrinsically Safe Tablet** is the most advanced, low-cost, lightweight and rugged Windows tablet that is purpose-built for **Zone 1 / Division 1 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 and Enterprise-Class:**
Aegex devices are certified UL913, C I, II, III D1, ATEX IECEx Zone 1 and IP65 for HazLoc use.
- **Cloud-Based Data Sharing:**
Aegex solutions use 4G LTE or Wi-Fi for real-time collaboration.
- **Enterprise-Class Security with Intel Architecture:**
Aegex solutions rely on Intel McAfee Security suite for enterprise-wide protection.
- **Customizable Solutions for All Hazardous Zones and Jobs:**
Build your own solution for each team member with Aegex enterprise applications.



ATEX Zone 1



IECEx Zone 1



UL Class I, II, III Division 1

10.1" WUXGA Display

**Powered by Intel
Atom Quad Core**

Windows 10

Intel Security Suite



aegex.com



SPECIFICATIONS

Intrinsically Safe Certifications

UL913 5th edition:
 C I, II, III Div 1 Gr A-G T4, T_{amb} = -10°C...+50°C
 C I Z0 Gr IIC T4 IP65, T_{amb} = -10°C...+50°C
 CAN/CSA-22.2 Part 157

IECEX 60079-0 & -11:
 Ex ib IIC T6 Gb, T_{amb} = -10°C...+50°C
 Ex ib IIIC T85°C Db IP6X, T_{amb} = -10°C...+50°C
 Ex ib I Mb, T_{amb} = -10°C...+50°C

ATEX 60079-0 & -11:
 Ⓢ II 2G Ex ib IIC T6 Gb, T_{amb} = -10°C...+50°C
 Ⓢ II 2D Ex ib IIIC T85°C Db IP6X, T_{amb} = -10°C...+50°C
 Ⓢ I M2 Ex ib I Mb, T_{amb} = -10°C...+50°C

Exterior

Dimensions:
 273 x 185 x 16.8 mm (10.75 x 7.28 x 0.66 in)
 Weight: 980 grams (2.16 lbs)
 IP65

Display

Screen: 10.1" AHVA Full HD Plus
 Resolution: 1920 x 1200
 Capacitive touch: Multi-touch
 Contrast 800:1
 Viewing angle (up/down, left/right) 170°

Battery Life

Up to 12 hours of web browsing (Battery: 3.8V, 8700mAh, 33Wh)

Charging time (in standby)

Docking station: 0-90% in 2.5 hours, to 100% in approx. 3.5 hours
 USB charger: 0-90% in 4 hours, to 100% in approx. 5.5 hours

Storage/RAM

128GB storage / 4GB RAM

CPU & Wireless

Intel® Quad-Core Atom processor
 2.39GHz*, 4G LTE available
 Wi-Fi 802.11ac/802.11 a/b/g/n dual band
 (2.4GHz and 5GHz)
 Bluetooth® 4.0 Low Energy technology
 NFC
 Intel Wireless Display

LTE (North America): Sierra EM7355

- LTE: FDD Band 2,4,5,13,17,25
 all bands with diversity
 - UMTS/HSPA+: Band 1,2,4,5,8,
 all bands with diversity
 - CDMA 1xRTT/EV-DO Rev A: BC0, BC1, BC10
 - GSM/GPRS/EDGE: Quad-Band

LTE (international): Huawei ME936

- LTE: FDD Band 1,2,3,4,5,7,8,13,17,20,
 all bands with diversity
 - WCDMA/HSDPA/HSUPA/HSPA+:
 Band 1,2,4,5,8, all bands with diversity
 - GSM/GPRS/EDGE: 850/900/1800/1900MHz

Location

GPS / GLONASS
 (cold start <30s, warm start < 5s)

Ports

Full-size USB 2.0
 USB 3.0, Ethernet, and HDMI on system connector
 Micro USB for charging
 Charging pads (12V)
 microSDXC™ card slot (supports up to 2TB)
 Headset jack

Software

Windows 10 Pro, Windows 10 LTSB, Android Lollipop and Marshmallow

Cameras, Video & Audio

8.0 megapixel autofocus rear-facing camera with flash, full HD video
 2.0 megapixel front-facing camera full HD video
 Front and rear microphones
 Stereo speakers

Sensors

Ambient light sensor, Accelerometer,
 Gyroscope, E-Compass,
 SAR proximity sensor

Security

Silicon Level, Intel Security
 (SMER, PPRNG, fTPM, and TPM 2.0)
 Software Level
 Device Control
 Windows 10 Mobile Device Management
 BitLocker

In the box

aegex10™ intrinsically safe tablet
 Wall charger (power supply + USB cable)



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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*Base Frequency 1.59 GHz, Burst Frequency 2.39 GHz

**P2P: ISO 18092, Reader/Writer: ISO 14443 -A-B, MIFARE, FelICa®, ISO 15693, NFC Forum Tag Types 1 to 4
 Card emulation: ISO 14443 -A-B-B', MIFARE, FelICa RF, Distance up to 3 cm