



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, efficient, 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 Tablets:

Aegex devices are certified ATEX/IECEX Zone 1; certified by SGS to UL 913 Class I, II, III Division 1 Groups A-G; and IP65 for hazardous (classified) locations.

● Solutions for All Hazardous Zones and Jobs:

Aegex devices run the operating system and applications that allows for secure enterprise deployments.

● Enterprise Collaboration

Aegex devices use 4G LTE or Wi-Fi for real-time communications.



Certified ATEX/IECEX Zone 1

Certified by SGS to
UL 913 C I, II, III Div 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, CAN/CSA-22.2 Part 157
Class I, II, III Div 1 Group A-G T4, $T_{amb} -10^{\circ}C \dots +50^{\circ}C$, IP65
Class I, Zone 0 Group IIC T4, $T_{amb} -10^{\circ}C \dots +50^{\circ}C$, IP65

IECEX 60079-0 & -11:

Ex ib IIC T4 Gb, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

Ex ib IIIC T135°C Db IP6X, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

Ex ib I Mb, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

ATEX 60079-0 & -11:

Ⓜ II 2G Ex ib IIC T4 Gb, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

Ⓜ II 2D Ex ib IIIC T135°C Db IP6X, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

Ⓜ I M2 Ex ib I Mb, $-10^{\circ}C \leq T_{amb} \leq +50^{\circ}C$

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; Aspect ratio 16:10
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 2.5hours, to 100% in approx. 3.5 hours
USB charger: 0-90% in 4hours, to 100% in approx. 5.5 hours

Storage/RAM/CPU

128GB storage / 4GB RAM / Intel® Atom Z3795 Quad-Core processor 2.39GHz *

Wireless

4G LTE available
Wi-Fi /802.11 a/b/g/n dual band (2.4GHz and 5GHz)
Bluetooth® 4.0 Low Energy technology
NFC & RFID (HF: 13.56MHz)
Intel Wireless Display

LTE (EU, US, AU): Telit LN940A9 (certification in progress)

- LTE: Band 1, 2, 3, 4, 5, 7, 8, 12, 13, 17, 18, 19, 20, 21, 25, 26, 28, 29, 30, 38, 39, 40, 41, 66
- WCDMA: Band 1, 2, 3, 4, 5, 6, 8, 19
- GSM/GPRS/EDGE: N/A

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 docking station
Micro USB for charging
Charging pads (12V)
microSDXC™ card slot (supports up to 2TB)
Headset jack

Operating System

Windows 10 Pro, Android 5.1 (no GMS)

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, PDRNG, 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)
User Guide



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