



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



aegex.com



SPECIFICATIONS

Intrinsically Safe Certifications

UL913 5th edition:
C I, II, III Div 1 Gr A-G T4, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$
CI Z0 Gr IIC T4 IP65, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$
CAN/CSA-22.2 Part 157

IECEx 60079-0 & -11:
Ex ib IIC T6 Gb, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$
Ex ib IIC T85°C Db IP6X, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$
Ex ib I Mb, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$

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

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 Standard

Intel® Quad-Core Atom processor
2.39GHz*
Wi-Fi 802.11 a/b/g/n dual band
Bluetooth® 4.0 Low Energy technology
NFC
Intel Wireless Display

LTE Options (Standard +)

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/HSU-
PA/HSPA+: Band 1,2,4,5,8, all bands

*** LTE (EU, US, AU):** Telit LN940A9 - 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

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 IoT Enterprise

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
(SMEP, PPDRNG, TPM, 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

*Subject to verification of local carrier requirements

**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