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°C…+50°C CI 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, Tamb = -10°C…+50°C ATEX 60079-0 & -11: ⟨Ex⟩ II 2G Ex ib IIC T6 Gb, T_{amb} = -10°C…+50°C ⟨Ex⟩ II 2D Ex ib IIIC T85°C Db IP6X, T_{amb} = -10°C…+50°C ⟨Ex⟩ I M2 Ex ib I Mb, Tamb = -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 2.5hours, to 100% in approx. 3.5 hours USB charger: 0-90% in 4hours, 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

CPU & Wireless (continued):

* **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

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 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, 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)

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

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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