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aegex10 Intrinsically Safe Tablet AEG-MDS-005-01.05
Specification Sheet

aegex10 intrinsically safe tablet

Aegex Technologies provides intrinsically safe devices for the world's most hazardous locations in oil and gas, chemical, mining, pharmaceutical, public safety, utilities and other industries with explosive environments. Aegex intrinsically safe Windows tablets bring real-time connectivity to all personnel in hazardous locations, helping them to harness the power of data to optimize efficiency, safety and productivity.



Aegex's 10.1" intrinsically safe Windows-based tablets meet a broad range of personnel requirements by employing a variety of enterprise-class applications and accessories. Aegex's unified platform makes operation-wide integration and collaboration simple, with an overarching mobile solution that delivers operational efficiency, organizational safety and IT uniformity for each team member of a hazardous industry operation.

- **Purpose-Built Intrinsically Safe and Enterprise-Class:**
Aegex devices are certified UL913 C1D1, ATEX IECEx Zone 1 and IP65 for HazLoc use.
- **Windows-Embedded Universal Enterprise Platform:**
All Aegex devices run Windows OS on a single platform for operation-wide continuity.
- **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 IECEx Zone 1

UL913 Class 1 Div 1

10.1" WUXGA Display

**Powered by Intel
Atom Quad Core**

**Windows 8.1
Windows 10**

Intel Security Suite



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Specifications

Intrinsically Safe Certifications	<p>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</p> <p>IECEX 60079-0 & -11: Ex ib IIC T6 Gb, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$ Ex ib IIIC T85°C Db IP6X, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$ Ex ib I Mb, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$</p> <p>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 IIIC T85°C Db IP6X, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$ ⊕ I M2 Ex ib I Mb, $T_{amb} = -10^{\circ}\text{C} \dots +50^{\circ}\text{C}$</p>
Exterior	<p>Dimensions: 273 x 185 x 16.8 mm (10.75 x 7.28 x 0.66 in) Weight: 980 grams (2.16 lbs) IP65</p>
Display	<p>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°</p>
Battery Life	Up to 12 hours of web browsing
Storage/RAM	128GB storage / 4GB RAM
CPU & Wireless	<p>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</p>
Location	<p>GPS / GLONASS (cold start <30s, warm start < 5s)</p>
Ports	<p>Full-size USB 2.0 USB 3.0 and HDMI on system connector Micro USB for charging Charging pads (up to 12V) microSDXC™ card slot (supports up to 2TB) Headset jack</p>
Software	Windows 8.1, Windows 10 Pro, Windows 10 Enterprise LTSC
Cameras, Video & Audio	<p>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</p>
Sensors	Ambient light sensor, Accelerometer, Gyroscope, E-Compass, SAR proximity sensor
Security	<p>Silicon Level, Intel Security (SMEP, PPDRNG, fTPM, and TPM 2.0) Software Level Device Control Windows 10 Mobile Device Management BitLocker</p>
In the box	<p>aegex10 intrinsically safe tablet Power supply + USB cable</p>

*Base Frequency 1.59 GHz, Burst Frequency 2.39 GHz