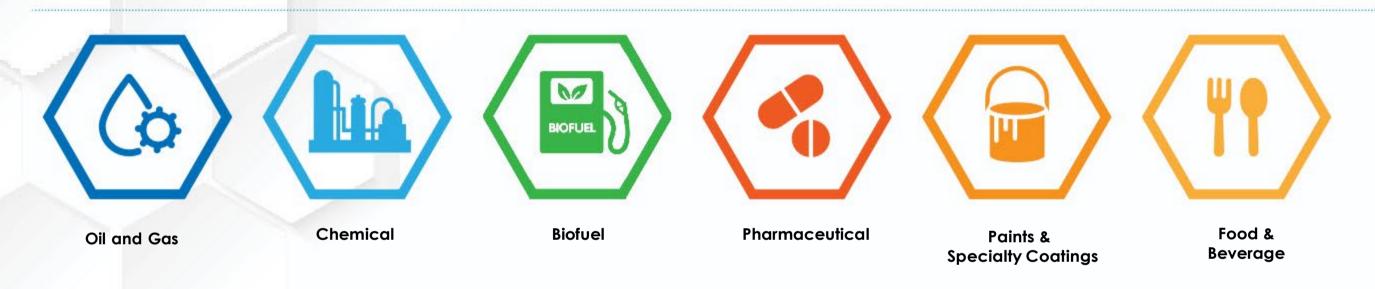# Aegex100M™ Intrinsically Safe Tablet

Aegex Technologies is proud to offer its 2nd Generation intrinsically safe tablet, the Aegex100M with faster wireless services, enhanced memory, and expanded storage. Operating in the most hazardous industries with explosive environments, Aegex solutions bring real-time connectivity to help organizations harness the power of data to optimize efficiency.

Oil and Gas	Chemical	Biofuel	Pharmaceutical	Paints & Specialty Coatings	Food & Beverage

The Aegex100M™ Intrinsically Safe Tablet is positioned to be the most advanced, efficient, and rugged Windows tablet, with Zone 1, Zone 0* / CI, D1 certification in 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

Designed from the ground up to be the lightest and fastest Windows device in its class, the Aegex100M is certified for ATEX/IECEx Zone 1, Zone 0* and in accordance with UL 913 Class I, II, III, Division 1.

Hazardous Area Mobility

At the center of hazardous area mobility, the Aegex100M supports all of your operational needs including: Maintenance, Inspections, Workflow Management, Automation & Process Control, MES, Diagnostics & Calibration, HMI, Asset Management and many more.

Enterprise Class Solutions

Safely and securely connect your hazardous area operations and allow your teams to share mission-critical data across the entire organization; enabling greater visibility, collaboration, decision making, and performance.

Certification for:

ATEX/IECEx Zone 1, Zone 0*

Class I, II, III, Division 1

Class I, II, III, Zone 1, Zone 0*

* with Aegex leather case

- **10.1" AHVA Display**
- **Powered by Intel Quad-Core Atom Processor**
- **8GB RAM**

aegex.com

SPECIFICATIONS

Certifications	Zone 1, Zone 0* Certification according to ATEX, IECEx and UL 913, 8th ed. Standards. *with Aegex leather case
	Pending certification: UL 913 8th Edition, CSA C22.2 No. 60079-0:2018, CSA C22.3 No. 60079-11:2012 Class I, II, III Division 1 Groups C,D, T4 Class I, II, III Division 2 Groups C,D, T4 Class I Zone 0 AEx ia IIB T4 Ga"
	IECEx Ex ia IIB T4 Ga Tamb = -20°C…+55°C, IP67
	ATEX II 1 G Ex ia IIB T4 Ga Tamb = -20°C…+55°C, IP67
Exterior	W x H x D: 278 x 207 x 13.8 mm (10.94 x 8.15 x 0.54 in) – without battery W x H x D: 278 x 207 x 28.3 mm (10.94 x 8.15 x 1.11 in) – at battery section Estimated final weight: 1430g (3.08 lbs)
Display	10.1" / 25.6 cm AHVA display WQXGA (2560 x 1600 px) Contrast 1000:1 (min.: 800:1) Brightness 540 NITS Viewing angle (up/down, left/right) 170° 16.7M colors
Battery	7.2V 2 x 3450mAh, 49.68Wh Rechargeable Lithium Ion
Charging Time	0-90% in 3.5 hours; 100% in approx. 4.5 hours
CPU & Storage	Intel® Quad-Core processor Base: 1.6GHz, Burst 1.8GHz 8GB RAM, 256GB storage MicroSDXC Card Slot (up to 2 TB cards supported)
Wireless & LTE	Wi-Fi 802.11 a/b/g/n/ac/ Bluetooth 5.2 + HS NFC LTE Optional: Worldwide LTE-A Cat 12 and UMTS/ HSPA+

Location	GPS / GLONASS / Galileo
Connections	Magnetic pin connector for charging with Aegex Wall Charger Docking connector supports LAN, USB 2.0, 3.0, USB-C, HDMI, SD Card, and audio jack
Software	Windows 11 IoT AegexScan™ Barcode Scanning Application - Optional
Video & Audio	Main Camera (rear-facing): 8MP Auto-focus with flash Image: 3264 x 2448 px jpg, video: 1080p (Full HD 1920 x 1080) 30 fps Secondary Camera (Front-facing) Image: 1920 x 1080 px jpg, video: 1080p (FullHD 1920x1080) 30 fps 1 digital microphone front facing microphone array. Stereo speakers
Sensors	Ambient light sensor (ALS), Accelerometer, Gyroscope, E-Compass, SAR proximity sensor
Security	Intel® TXE Boot Guard 2.0 FW TPM (Intel® PTT3) Intel® Trusted Execution Engine Interface (Intel® TXEI) Driver Intel AES New Instructions BitLocker
In the Box	Aegex100M™ Intrinsically Safe Tablet Tablet Charger: 12VDC 3.33A power supply, adaptor, shoulder strap, and stylus

To request a demo or to talk to a product specialist, please contact our nearest office or go to:

www.exnor.no

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