

Data Sheet

AEGEX100M™

Intrinsically Safe Tablet



Supplied by

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Aegex100M™ Intrinsically Safe Tablet

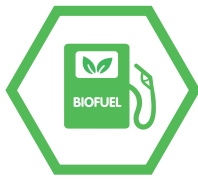
Aegex Technologies is proud to offer its 2nd Generation intrinsically safe tablet, the Aegex100M with faster wireless services, enhanced memory, and expanded storage. Operating in the most hazardous industries with explosive environments, Aegex solutions bring real-time connectivity to help organizations 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 pending Zone 0 / Division 1 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

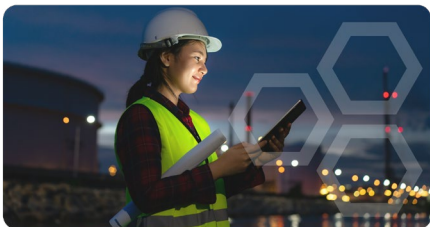
Designed from the ground up to be the lightest and fastest Windows device in its class, the Aegex100M is currently pending certification for ATEX/IECEX Zone 0 and UL 913 Class I, II, III, Division 1.

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.



Pending Certification for:
ATEX / IECEx Zone 0
UL913 C I, II, III Div 1



- 10.1" AHVA Display
- Powered by Intel Quad-Core
- Apollo Lake Processor
- 8GB RAM



Registered Address

ABLE Instruments & Controls Ltd
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E-commerce

247able.com



Registered in England No. 01851002. VAT No. GB 417 2481 61

Specifications

Certifications	In certification for Zone 1 & Zone 0 certification according to ATEX, IECEx, and UL 913 standards.	
	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 colours	
Battery	7.2V 2 x 3420mAh, 49.68Wh. Rechargeable Lithium Ion	
Charging Time. (In standby)	Wall adaptor: 0-90% in 2.5hours, to 100% in approx. 3.5 hours Docking station: 0-90% in 2.5hours, to 100% in approx. 4 hours	
CPU & Storage	Intel® Quad-Core Apollo Lake 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. (Cold start <30s, Hot start < 2s)	
Connections	Magnetic pin connector for rapid 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 and adaptor	

Have a particular application in mind? We'd welcome a call on +44 (0) 1189 169 420

For your info, ABLE are the premier direct partner for Aegex within the UK and can assist you and your customers in the following areas:

- Pre-loading of any free issue industry standard software on to the tablet
- Handle future pre-arranged 'call off' quantities for expedient delivery
- Offer after sales support utilising our in-house Windows certified expertise
- Offer training via our state-of-the art training rig into how the Aegex tablet can be used

ABLE can offer bespoke asset management software development based on your requirements. ABLE could offer this in a two week turnaround once your requirements have been fully understood. For more information, email us now at info@247able.com

Did you know? The Aegex tablet can become an engineer service tool during annual service & calibrations, meaning the engineer does not require to connect his own laptop to any platform system. All reporting data post-service can be emailed to ABLE's factory trained service team from the tablet, along with any relevant photos taken with the tablet.

[Download ABLE Remote Support Brochure](#)

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