

Data Sheet

# AEGEX100M™

Intrinsically Safe Tablet



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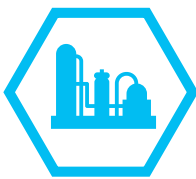
Call us on +44 (0)118 916 9420 | Email [info@247able.com](mailto:info@247able.com)

# Aegex100M™ Intrinsically Safe Tablet

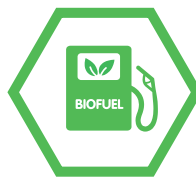
**Aegex Technologies' 2nd Generation intrinsically safe tablet offers improved safety** in several key measurements, and increased performance with enhanced memory and expanded storage. Operating in the most hazardous industries with explosive environments, Aegex solutions bring real-time connectivity 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  
Cutbush Park, Danehill, Lower Earley,  
Reading, Berkshire, RG6 4UT. UK.

### Phone

+44 (0)118 9311188

### Email

info@able.co.uk

### Web

able.co.uk

### E-commerce

247able.com



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# Specifications

<b>Submitted for the following Intrinsicly Safe Certifications</b>	<b>In certification for Zone 1 &amp; Zone 0 certification according to ATEX, IECEx, and UL 913 standards. Following are the planned certifications:</b>	
	<b>UL 913 8th Edition, CSA C22.2 No. 60079-0 &amp; -11</b> Class I, II, III, Division 1, Groups A-G, T4 Tamb = -20°C...+50°C, IP67  <b>IECEx</b> Ex ia IIC T4 Gb Ex ia IIIC T135°C Db Tamb = -20°C...+50°C, IP67	<b>ATEX</b> II 2G Ex ia IIC T4 Gb II 2D Ex ia IIIC T135°C Db Tamb = -20°C...+50°C, IP67
<b>Exterior</b>	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: 1400g (3.08 lbs)	
<b>Display</b>	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	
<b>Battery</b>	7.4V, 6500mAh, 48.1Wh. Rechargeable Lithium Cobalt Oxide	
<b>Charging Time. (In standby)</b>	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. 3.5 hours	
<b>CPU &amp; Storage</b>	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)	
<b>Wireless &amp; LTE</b>	WiFi 802.11 a/b/g/n/ac/r/k/v/w/hc/ax. Bluetooth 5.2 + HS. LTE: Supported Bands TBD. NFC	
<b>Location</b>	GPS / GLONASS / Galileo. (Cold start <30s, Hot start < 2s)	
<b>Connections</b>	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	
<b>Software</b>	Windows 10 IoT Enterprise. AegexScan Application – Optional	
<b>Video &amp; Audio</b>	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 2 digital microphones (Front/Back), front facing microphone array. Stereo speakers	
<b>Sensors</b>	Ambient light sensor (ALS), Accelerometer, Gyroscope, E-Compass, SAR proximity sensor	
<b>Security</b>	Intel® TXE Boot Guard 2.0 FW TPM (Intel® PTT3) Intel® Trusted Execution Engine Interface (Intel® TXEI) Driver Intel AES New Instructions BitLocker	
<b>In the Box</b>	Aegex100M™ intrinsically safe tablet Wall charger (12VDC 3.5A 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](mailto: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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