

# aegex100M

## Intrinsically Safe Tablet

# Sierra

For Oil & Gas, Petrochemical & Pharmaceuticals **ZONE 1/DIV 1**

Certification for:

- ATEX / IECEx Zone 1
- Class I, II, III, Division 1
- Class I, II, III, Zone 1 with Aegex leather case



### Features

10.1 AHVA Display

8 GB RAM

256 GB Storage

Intel Quad-Core Apollo Lake Processor

Windows 11 IoT

Intel Security Suite



[www.sierracontrol.com](http://www.sierracontrol.com)

Aegex Technologies is proud to offer its 2nd Generation intrinsically safe table, 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 & Gas



Chemical



Pharmaceutical



Mining



Utilities



Public Safety

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 ATEX IECEx Zone 1, Zone 0\* and in accordance with UL 913 Class I, II, III Division 1.

#### ◆ Hazardous Area Mobility

At the centre of hazardous area mobility, the Aegex 100M supports all of your operational needs including. Maintenance, Inspections, workflow Management, Automation & Process Control, MES, Diagnostics & calibration, HMI, Asset Management & 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.

# aegex 100M™ Intrinsically Safe Tablet

## SPECIFICATIONS

Zone 1, Zone O\* Certification according to AT EX, IECEx and UL 913, 8th ed. Standards. \*with Aegex leather case  
UL913 8th Edition, CSA C22.2 No. 60079-0:2018, CSA C22.2

No. 60079-11: 2012

class I,II,III Division 1 Groups A – G T4

Class I,II, III Division 2 Groups A - D, F, G T4

Class I, II, III, Zone 0 Groups A - G T4

Class I, II, III, Zone 1 Groups A - G T4

Class I, II, III, Zone 2 Groups A - D, F, G T4

Ex ia IIC T4 Ga

Ex ia IIIC 135°C Da

Tamb= -20°C... +55°C

IP67

<b>IECEX NMK25.0015X</b>	Ex ia IIC T4 Ga, Ex ia IIIC 135°C Da, Tamb = -20°C...+55°C, Um: 20V, IP67 II 1 G Ex ia IIB T4 Ga
<b>ATEX 25ATEX1007X II</b>	1G Ex ia IIC T4 Ga II 1D, Ex ia IIIC 135°C Da Tamb = -20°C...+55°C Um: 20V, 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: 1430g (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 colors
<b>Battery:</b>	7.2V 2 x 3450mAh, 49.68Wh, Rechargeable Lithium Ion
<b>Charging Time :</b>	0-90% in 3.5 hours; 100% in approx. 4.5 hours
<b>CPU &amp; Storage :</b>	Intel® Quad-Core 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>	Wi-Fi 802.11 a/b/g/n/ac/, Bluetooth 5.2 + HS, NFC LTE Optional: Worldwide LTE-A Cat 12 and UMTS/ HSPA+
<b>Location:</b>	GPS / GLONASS / Galileo
<b>Connections :</b>	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
<b>Software:</b>	Windows 11 IoT AegexScanT M Barcode Scanning 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 1 digital microphone front facing microphone array, Stereo speakers
<b>Sensors:</b>	Ambient light sensor (ALS), Accelerometer, Gyroscope, E-Compass, SAR proximity sensor
<b>Security:</b>	Intel® T XE Boot Guard 2.0 FW T PM (Intel® PT T 3) Intel® Trusted Execution Engine Interface (Intel® T XEI) Driver Intel AES New Instructions Bitlocker
<b>In the Box:</b>	Aegex1 OOM™ Intrinsically Safe Tablet Tablet Charger: 12VDC 3.33A power supply, adaptor, shoulder strap, and stylus

Authorised Distributor:

**Sierra Instrumentation & Controls**

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