

# DATA SHEET



## AGX M1 ATEX Zone 2 5,7" Notepad



### Product Description

#### Performance of the AGX M1

#### Rock Solid, Field Ready

As if the solid design of the AGX M1 Rugged Notepad® didn't give you enough confidence in your hardware, the AGX M1 for Hazardous Locations certainly will. Designed specifically for the intrinsically safe market, the AGX M1 for Hazardous Locations is Class I, Division 2 non-incendive certified to safely collect data where explosive gases, liquids, or vapors may be present.

#### Be Safe Out There

Wherever your work takes you, whether to petrochemical plants, gas and oil pipelines, refineries, or other explosive environments, trust the Mesa for Hazardous Locations to keep you and your data safe. The Class I, Division 2 non-incendive certification is available for all three models (Standard, Geo, & Geo 3G) of the Mesa Rugged Notepad and guarantees uncompromised safety, day in and day out.

#### One-of-a-Kind

The Mesa for Hazardous Locations is the only Class I, Div 2 certified handheld in its class that offers unsurpassed screen size and the universal Windows Mobile® operating system. Add the functionality of the integrated Mesa 1D/2D barcode scanner and you have a unique and powerful solution sure to improve your data collection processes.



\* in preparation LF, HF and UHF

<b>Article no:</b>	Standard	<b>AGX M1</b>		
	Geo model	<b>AGX M1Geo</b>		
<b>Typical Applications</b>				
•Manufacturing	•Forest		•Automotive	
•Oil & Gas	•Industry			
•Offshore	•Vehicle Maintenance & Diagnostics			
•Security	•Transportation			

#### Contact:

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**Technical Specifications**
**AGX M1**


Processor	<ul style="list-style-type: none"> <li>• 806 Mhz PXA320 Processor</li> </ul>
Memory & Data storage	<ul style="list-style-type: none"> <li>• 256 MB RAM, 4 GB Flash Storage, SD/SDHC slot, user accessible</li> </ul>
Camera (Geo models) :	<ul style="list-style-type: none"> <li>• 3.2MP resolution with autofocus</li> <li>• Juniper Geotagging; embed and emboss photo with date, time, and GPS position</li> </ul>
1D / 2D Barcode reader (Optional):	<ul style="list-style-type: none"> <li>• Sensor resolution: 752 X 480</li> <li>• Field of view: horizontal 40°, vertical 25°</li> <li>• Read range: 1"-24" depending on code type, size, density</li> <li>• Symbolologies: all common 1D, 2D (PDF417, MicroPDF417, Composite, RSS, TLC-39, Data matrix, QR code, Micro QR code, Aztec, MaxiCode, Postal codes)</li> <li>• Visible aiming crosshair with low light illumination</li> <li>• Barcode Connector™ utility, wedge and configuration, SDK support available</li> </ul>
Operating system :	<ul style="list-style-type: none"> <li>• Microsoft® Windows Embedded Handheld 6.5, Multiple languages</li> </ul>
Display	<ul style="list-style-type: none"> <li>• Active viewing area: 5.7" (145 mm) color VGA LCD (640 x 480)</li> <li>• High visibility backlit LCD</li> <li>• Portrait or landscape orientation</li> </ul>
Keyboard	<ul style="list-style-type: none"> <li>• 15 control buttons (6 user reassignable)</li> <li>• Five-way directional button</li> <li>• Adjustable LED backlit keys</li> </ul>
LAN / WLAN	<ul style="list-style-type: none"> <li>• Wi-Fi 802.11b/g</li> </ul>
WWAN (Option)	<ul style="list-style-type: none"> <li>• 3G GSM cellular data modem Tri-Band UMTS/HSDPA 850/1900/2100 MHz Quad- Band GSM 850/900/1800/1900 MHz</li> <li>• Data communication interface, SMS</li> </ul>
GPS (Geo models):	<ul style="list-style-type: none"> <li>• 2 to 5 meter typical accuracy</li> <li>• Integrated real-time SBAS/WAAS</li> </ul>
Bluetooth	<ul style="list-style-type: none"> <li>• BlueTooth 2.1+DER+ Bluetooth® wireless technology, 2.0 +EDR, Class 1, range 100 feet (30 m)</li> </ul>
I/O Ports :	<ul style="list-style-type: none"> <li>• COM1, RS-232C 9-pin D connector with 5VDC power on DTR pin</li> <li>• USB Host (Full A), USB Client (Mini B)</li> <li>• 12VDC @ 800mA, 10-18V unregulated</li> <li>• 3.5mm audio jack, supports speaker/ microphone or stereo output (pin detect)</li> </ul>
Battery (hot-swappable)	<ul style="list-style-type: none"> <li>• Intelligent Li-Ion battery 7.4VDC @ 2550mAh, 18.9W/hr</li> <li>• Two battery slots, hot-swappable</li> <li>• Operates for up to 16 hours on one charge</li> <li>• Charges in 2 to 6 hours</li> </ul>
Dimensions	<ul style="list-style-type: none"> <li>• Size, Standard models: 5.3"w x 7.9"l x 2.4"d (136 mm x 200 mm x 60 mm)</li> <li>• Size, Geo models: 5.3"w x 8.6"l x 2.4"d (136 mm x 220 mm x 60 mm)</li> </ul>
Weight	<ul style="list-style-type: none"> <li>• 2.2 lbs (998 g) with two batteries</li> </ul>
Housing:	<ul style="list-style-type: none"> <li>• Magnesium alloy case front, plastic back</li> </ul>
Regulatory	<ul style="list-style-type: none"> <li>• FCC Class B</li> <li>• CE Marking (applicable EMC, R&amp;TTE, and LVD directives)</li> <li>• Industry Canada</li> <li>• EN60950 Safety</li> <li>• RoHS Compliant</li> <li>• Non-Incendive Class I, Div 2 per approval standard UL 1604 CSA 213</li> </ul>
Shockproof:	<ul style="list-style-type: none"> <li>• multiple drops from 4' (1.2 m) onto concrete</li> </ul>
Operating temperature	<ul style="list-style-type: none"> <li>• -22F to 131F (-30C to 55C) with barcode scanner</li> </ul>
Sealing	<ul style="list-style-type: none"> <li>• IP67 waterproof and dustproof</li> </ul>

**Contact:**