

## AZONIX Barracuda 15 WS

### Rugged Zone 2 Workstation - Ex Certified

- **New Intel® Core™ i7 2.5GHz processor**
- **New 15 inch, sunlight-viewable display**
- **New solid glass projected capacitive touchscreen**
- **New wide temperature range -40°C to +60°C**
- **New built-in high gain 802.11b/g/n wireless LAN**
- **IECEx Zone2 / ATEX Zone 2 / AEx C1 Zone 2 approvals**



The Azonix Barracuda 15 WS solves the industry's need for a high performance computing platform that is both rugged and mobile enough to operate in extreme conditions. Many rugged mobile computers have failed under the same harsh conditions that the Azonix Barracuda is designed to thrive in.

Workstations and displays used in the oil and gas industry need to be transportable and flexible to mount in a variety of ways. With the Azonix Barracuda, customers have the versatility to configure and mount an array of units close together, providing access to multiple sources of information at one time.

The Azonix Barracuda 15 WS can be utilized in rig floor applications such as MWD / LWD, mudlogging or well stimulation in oil and gas operations where a display or workstation must be able to withstand harsh shock and vibration and meet hazardous area certification. The system's small footprint and VESA hole pattern allows for easy mounting in space-constrained work areas, making it equally suitable for use in machine automation environments where a standalone system must be mountable to various surfaces, from a standard pedestal to a boom, pole or custom panel mounting.

The Azonix Barracuda is available in several configurations, depending on industry and specific application requirements. The Azonix Barracuda offers a full military hardened MIL-STD 810G and IP66 compliant sunlight-readable touch-screen display. The Azonix Barracuda

incorporates an Intel® Core™ i7 processor workstation that offers a removable SSD or compact flash storage and runs Microsoft Windows 7 operating system.

The Azonix Barracuda is a portable, rugged controller/monitor that can be transported from site to site or easily mounted in permanent locations. The power, wireless and I/O signals connectivity are via connectors and not glands for fast rig-up/rig-down in difficult installation locations, eliminating cable cost and labor. This system allows the user to display real time data in the harsh environment of the process being monitored and make adjustments to it locally.

#### AZONIX BARRACUDA APPLICATIONS

The Azonix Barracuda design pushes computing further into the realm of point-of attack applications for operations in hazardous areas including:

- Mudlogging
- Measurement/Logging while drilling (MWD/LWD)
- Coil tubing
- Cementing
- Production platforms
- Gas compression stations
- Harsh industrial environments
- Machine automation
- Rig Instrumentation

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## SPECIFICATIONS

|                                                                            |                                                                                                                                                                                            |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display / Resolution:</b>                                               | 15-inch TFT, 1024 x 768                                                                                                                                                                    |
| <b>Brightness:</b>                                                         | LED backlight - Sunlight-readable                                                                                                                                                          |
| <b>Touch Screen:</b>                                                       | Resistive-Touch<br>Optional: Projected Capacitive touch                                                                                                                                    |
| <b>CPU:</b>                                                                | Intel® Mobile Celeron B810<br>Optional: Intel® Core™ i7 2.5GHz                                                                                                                             |
| <b>Memory:</b>                                                             | 4GB to 8GB DDR3 DRAM                                                                                                                                                                       |
| <b>Storage:</b>                                                            | Compact Flash 32GB or 128GB SSD min                                                                                                                                                        |
| <b>Connectivity:</b>                                                       | 2 x USB, 1 x 10/100/1GB LAN, 1 x COM,<br>1 x serial RS232.<br>Optional: Fiber 100BaseFX w/ST connectivity,<br>RS422 or RS485                                                               |
| <b>Power Supply:</b>                                                       | 100 to 240 VAC, 47-63 Hz; detachable<br>Optional DC power 9-36VDC                                                                                                                          |
| <b>Enclosure Rating:</b>                                                   | Full IP66                                                                                                                                                                                  |
| <b>Shock:</b>                                                              | Shock 40g 11ms pulse with 3 axis, operating/<br>non-operating                                                                                                                              |
| <b>Vibration:</b>                                                          | MIL-STD-810G Method 514.6, Proc I, Cat 24, Fig<br>514.6E-1, approx. 3.1 Grms 3 axis (operating)                                                                                            |
| <b>EMI &amp; Safety:</b>                                                   | CE/FCC Class A, IECEx C1Z2, ATEX zone 2 AEx                                                                                                                                                |
| <b>Temperature:</b>                                                        | Operating: 0°C to 60°C<br>Optional -40°C<br>Storage: -40°C to +70°C                                                                                                                        |
| <b>Housing:</b>                                                            | Aluminum Cast                                                                                                                                                                              |
| <b>Mounting:</b>                                                           | Rear VESA 75 and 100 mounting<br>Options<br>• Yoke mount kit with visor installed<br>• Yoke mount kit without visor installed<br>• Sunshade kit<br>• Panel mount kit<br>• Hanger mount kit |
| <b>Dimensions:</b>                                                         | 11.8 x 15 x 6.6 inches inclusive of power supply<br>attached to the back of the unit                                                                                                       |
| <b>Weight:</b>                                                             | Approximately 24 lb depending on configuration<br>chosen                                                                                                                                   |
| <b>Optional</b><br>(available on certain<br>models, check with<br>factory) | • Wireless LAN<br>• -40°C Low temp<br>• Horn and Driver Kit<br>• Windows 7<br>• Pelican Case                                                                                               |

## KEY ENHANCEMENTS AND MODIFICATIONS OF THE NEW BARRACUDA 15 WS

| Specification        | Barracuda 15 WS (Gen 1)                                                                    | Barracuda 15 WS (Gen 2)                                                                     |
|----------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <b>Brightness:</b>   | CCFL backlight - Sunlight-viewable                                                         | LED backlight - Sunlight-readable                                                           |
| <b>Touch Screen:</b> | Resistive-Touch                                                                            | Projected Capacitive touch<br>Optional projected<br>Capacitive touch                        |
| <b>CPU:</b>          | Celeron Mobile 2.0GHz<br>Optional: Intel® Core™ 2<br>Duo 2.5GHz                            | Intel® Mobile Celeron B810<br>Optional: Intel® Core™ i7<br>2.5GHz                           |
| <b>Connectivity:</b> | 1 x USB, 1 x 10/100 LAN,<br>1 x combo PS/2, 1 x<br>COM, 1 x VGA                            | 2 x USB, 1 x 10/100/1GB<br>LAN, 1 x serial com RS232.<br>Optional: Fiber; RS422 or<br>RS485 |
| <b>Power Supply:</b> | 100-240 VAC, 47-63 Hz;<br>detachable                                                       | 100-240 VAC, 47-63 Hz;<br>detachable<br>Optional DC power                                   |
| <b>Temperature:</b>  | Operating: 0°C to 50°C<br>Optional -40°C                                                   | Operating: 0°C to 60°C<br>Optional -40°C<br>Storage: -40°C to +70°C                         |
| <b>Dimensions:</b>   | 11.8 x 15 x 6.0 inches<br>inclusive of power supply<br>attached to the back of<br>the unit | 11.8 x 15 x 6.6 inches<br>inclusive of power supply<br>attached to the back of the<br>unit  |
| <b>Weight:</b>       | Approximately 20 lbs,<br>depending on<br>configuration chosen                              | Approximately 24 lbs,<br>depending on configuration<br>chosen                               |
| <b>Housing:</b>      | Formed metal                                                                               | Die-cast aluminum                                                                           |



Intelligent connectivity with Intel Inside®.



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