

# BARRACUDA 15" WS

rugged Zone 2 workstation - Ex certified

- Intel™ Core 2 Duo 2.2GHz processor
- IECEx C1Z2 / ATEX Zone 2 rated
- 15 inch, sunlight-readable display
- IP56 system
- Redundant communication ports
- Front panel button to disable touch-screen
- Optional built-in high gain, wireless LAN
- Optional low temp heater



The Azonix Barracuda 15" WS solves the industry's need for workstations and display products that are both rugged and mobile enough to operate in extreme conditions. Many rugged mobile computers have failed under the same harsh conditions that the 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 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 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 other rugged environmental factors. 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 Barracuda is available in several configurations, depending on industry and specific application requirements. The Azonix Barracuda offers a full military hardened MIL-STD 810F and IP56 compliant sunlight-viewable touch-screen display. The Barracuda incorporates an Intel® Core 2 Duo processor workstation that offers a removable hard drive or compact flash storage and runs Microsoft Windows 7 operating system.

The Barracuda is a portable, rugged controller /monitor that can be transported from site to site or easily mounted in permanent locations. The wireless option provides high security, high speed communications 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.

## BARRACUDA APPLICATIONS

The 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
- Tool pusher, doghouse slave



BARAEx 071812 r1

## SPECIFICATION

### ELECTRICAL

#### Display / Resolution

15-inch TFT, 1024 x 768

#### Brightness

Sunlight-viewable

#### Touch Screen

Resistive-Touch: Anti-glare

#### CPU

Intel® Core 2 Duo 2.2GHz

#### Memory

1GB to 4GB

#### Storage

Compact Flash 1GB to 64GB or 80GB HDD

#### Connectivity

1 x USB, 1 x 10/100 LAN, 1 x combo PS/2, 1 x COM, 1 x VGA

#### Power Supply

100-240 VAC, 47-63 Hz; detachable

#### Enclosure Rating

Full IP56

#### Shock

10G, 11 ms pulse with 3 axis

#### Vibration

2-13Hz Displacement =  $\pm 1.5$ mm 3 axis

13-100Hz Acceleration =  $\pm 10$  m/sec<sup>2</sup> (1g) 3 axis

#### EMI & Safety

FCC/CE Class A, IECEx C1Z2, ATEX Zone 2

#### Temperature

Operating: 0°C to 50°C

Storage: -20°C to +70°C

#### Housing

Aluminum sheet metal / heat sink hybrid

#### Mounting

- Rear VESA 75 and 100 mounting
- Side Yoke Mounting points / sunshade kit
- Panel Mount kit,
- Hanger mounting kit

#### Dimensions

11.75 x 15 x 4 inches

#### Weight (w/o mount, PSU or sunshade)

Approx. 16lbs

#### Optional (available on certain models, check with factory)

- Wireless LAN
- -40°C Low temp
- Horn and Driver Kit
- Win XP Embedded
- Windows 7
- Keyboard
- Pelican Case



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