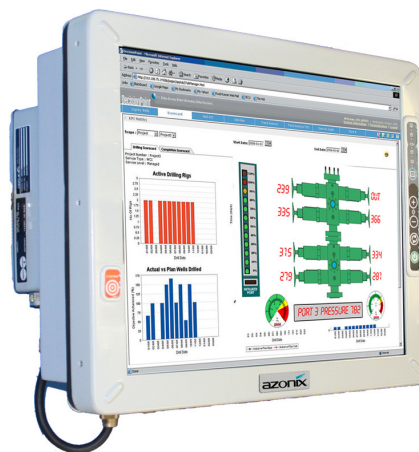# BARRACUDA BOP

blow out protection - rugged Zone 2 workstation

- Pentium M full client computer
- 19 inch sunlight viewable display
- CSA: Class 1 Zone 2 ATEX: Zone 2
- Front panel button to disable touch screen
- Redundant communication capability
- Optional low temperature heater

Azonix is introducing the Barracuda BOP, an application specific rig floor computer with integrated features required in blowout preventer surface systems. This workstation has a 19 inch LCD large enough to display clearly in one screen, all the critical information such as the complete Christmas tree, thereby avoiding the need to toggle between multiple screens. The unit has a hardware button that enables and disables the touch screen avoiding unsolicited touches that can impact the process.

The Barracuda BOP has redundant communication via copper and fiber running Ethernet, Profibus and Profi.net.

The Barracuda BOP is based on the structure of the successful Barracuda hardware platform. The computing and environmental packaging capability is common throughout the Barracuda platform.

With the Barracuda BOP we integrated a larger back enclosure to create room for the added redundant communication cards required per the mission critical application.

BARRACUDA BOP APPLICATIONS

The Barracuda BOP is designed for the mission critical application of blow out prevention. This large screen computer enables the operator to view real time information close to the point-of-attack enabling them to respond to a situation knowledgeably. Since making an error in the process could be costly and in some cases fatal, Azonix has added redundancy and safety features to help the user complete the job successfully.

About Azonix

Azonix Corporation is a member of the MTL Instruments Group and has been supplying rugged computing, DAQ and control solutions to vertical industries such as Oil and Gas exploration, manufacturing plants, refineries, chemical processing plants, and for the US Navy, Army and Air force in specific areas. We also serve the Process Automation and Marine markets where our unique value proposition applies.

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SPECIFICATION

ELECTRICAL

Display
19-inch TFT

Resolution
1280 x 1024 pixels

Brightness
Sunlight-viewable

Touch Screen
Resistive-Touch; Anti-glare; Touch disable button

CPU
Intel® Pentium™ M 1.6GHzto 1.8GHz

Memory
Up to 1GB

Removable Storage
Compact Flash or optional 2.5-inch HDD

Connectivity
1x USB,1x10/100 Base-T,
2x Profinet fiber ports,
1x RS232,
1x RS485 Profibus port

Power Supply
100-240 VAC, 47-63 Hz; detachable

ENVIRONMENTAL

Enclosure Rating
NEMA 4, IP56

Shock
10G, 11 ms pulse with 3 axis

Vibration
2-13Hz Displacement = ±1.5mm - 3 axis
13-100Hz Acceleration = ±10m/sec^2 (1g) - 3 axis

EMI & Safety
CE Mark, IECEX C1Z2, ATEX: Zone 2

Temperature range
Operating   0°C to 50°C
Storage   –20°C to +70°C

MECHANICAL

Housing
Aluminum sheet metal / heat sink hybrid

Mounting
Rear VESA 75 and 100 mounting points Panel Mount kit

Dimensions (approx.)
38cm (H) x 46cm (W) x 20cm (D)
15" (H) x 18" (W) x 8" (D)

Weight (w/o mount & PS)
Approx. 25 lbs / 11.5kg

Optional
Internal or external horn

(intel)

Intelligent connectivity with Intel Inside®.