

AZONIX Barracuda 19 WS

Rugged Zone 2 Workstation - Ex Certified

- **New Intel® Core™ i7 2.5GHz processor**
- **New 19 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**



Azonix is enhancing the Barracuda workstation platform with a 19 inch screen option. This option addresses applications where a larger amount of information needs to be displayed simultaneously on the screen. Our objective is to give the market the largest amount of configuration flexibility while utilizing a common computing platform to reduce software compatibility challenges.

The Azonix Barracuda 19" 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 spaceconstrained 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 to allow 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
- Process automation
- Machine automation
- Rig Instrumentation
- Blow out prevention

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SPECIFICATIONS

Display / Resolution:	19-inch TFT, 1280 x 1024
Brightness:	LED backlight - Sunlight-readable
Touch Screen:	Projected Capacitive touch
CPU:	Intel® Mobile B810 Optional: Intel® Core™ i7 2.5GHz
Memory:	4GB to 8GB DDR3 DRAM
Storage:	Compact Flash 32GB or 128GB SSD min
Connectivity:	2 x USB, 1 x 10/100/1GB LAN, 1 x COM, 1 x serial RS232. Optional: Fiber 100BaseFX w/ST connectivity, RS422 or RS485
Power Supply:	100 to 240 VAC, 47-63 Hz; detachable Optional DC power 9-36VDC
Enclosure Rating:	Full IP66
Shock:	Shock 40g 11ms pulse with 3 axis, operating/ non-operating
Vibration:	MIL-STD-810G Method 514.6, Proc I, Cat 24, Fig 514.6E-1, approx. 3.1 Grms 3 axis (operating)
EMI & Safety:	CE/FCC Class A, IECEx C122, ATEX Zone 2 AEx
Temperature:	Operating: 0°C to 60°C Optional -40°C Storage: -40°C to +70°C
Housing:	Aluminum Cast
Mounting:	Rear VESA 75 and 100 mounting Options • Yoke mount kit with visor installed • Sunshade kit • Panel mount kit • Hanger mount kit
Dimensions:	19.1 x 15 x 7.8 inches inclusive of power supply attached to the back
Weight:	Approximately 35 lb depending on configuration chosen
Optional <small>(available on certain models, check with factory)</small>	• Wireless LAN • -40°C Low temp • Horn and Driver Kit • Windows 7 • Pelican Case • RS232 Action enable control

KEY ENHANCEMENTS AND MODIFICATIONS OF THE NEW BARRACUDA 19 WS

Specification	Barracuda 15 WS (Gen 1)	Barracuda 19 WS
Brightness:	CCFL backlight - Sunlight-viewable	LED backlight - Sunlight-readable
Touch Screen:	Resistive-Touch	Projected Capacitive touch
LCD Characteristics :	Commercial temperature range	Extended temperature range
CPU:	Celeron Mobile 2.0GHz Optional: Intel® Core™ 2 Duo 2.5GHz	Intel® Mobile Celeron B810 Optional: Intel® Core™ i7 2.5GHz
Power Supply:	100-240 VAC, 47-63 Hz; detachable	100-240 VAC, 47-63 Hz; detachable Optional DC power
Temperature:	Operating: 0°C to 50°C Optional -40°C	Operating: 0°C to 60°C Optional -40°C Storage: -40°C to +70°C
Dimensions:	19.3 x 16.1 x 8.0 inches inclusive of power supply attached to the back of the unit	19.1 x 15 x 7.8 inches inclusive of power supply attached to the back of the unit
Weight:	Approximately 28.6 lbs, depending on configuration chosen	Approximately 35 lbs, depending on configuration chosen
Housing:	Formed metal	Die-cast aluminum



Intelligent connectivity with Intel Inside®.



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