

# BARRACUDA Lite 19"

safe area workstation

- Intel® Core™ 2 Duo 2.2Ghz processor
- 2GB RAM
- anti-glare capacitive touch screen
- 19" 1280 x 1024 sunlight-viewable display
- sealed to IP54 front & IP52 rear
- LED backlit display
- front panel user controls
- standard VESA 100 mounting
- yoke and boom side mounting points



The Barracuda Lite product line is designed for use in a drilling cabin environment. Even though this is assumed to be a clean protected environment, everything needs to be in perspective when dealing with equipment on a drilling rig.

**Azonix field application experience** identified that installation in drilling cabins creates a challenge for standard, off-the-shelf, open-back systems using air vents for cooling. The cabins, even though they are usually air conditioned, or purged during a job, incur a significant amount of salt humidity while being built, during transport and also between jobs when power to the cabin is shut down. The cabins are also exposed to dust and mud residue that can eventually clog filters, increasing the system internal

heat even to the level of system shut down. The failure implications on the product are not immediate but, over time, the product reliability and life cycle can be affected. The Barracuda Lite is a sealed unit effectively removing this type of reliability variable.

**A rugged, glass-base, capacitive-touch screen** is another benefit being introduced with the Barracuda Lite. The glass interface is significantly more robust than the Mylar laminate fitted on top of resistive screens.

**The HMI is a small component of the control and instrumentation system** in the cabin but it is mission critical for the operation. By making small but impactful product design enhancements to the standard open back HMI, Azonix is focused on your asset uptime and increasing the life cycle of the HMI.

## BARRACUDA APPLICATIONS

The Barracuda Lite is an ideal candidate for chair based control drilling systems, where the unit is exposed to a bright ambient environment. Other applications where the system would be a good fit include:

- Power Houses
- Control Rooms
- Drilling Cabins
- Well Stimulation and Coil Tubing Truck Cabins

## SPECIFICATION

### ELECTRICAL

#### Display

19-inch TFT

#### Resolution

1280 x 1024 pixels

#### Brightness

Sunlight-viewable

#### Touch Screen

Anti-glare capacitive touch screen

#### CPU

Intel® Core™ 2 Duo 2.2GHz processor

#### Memory

2GB

#### Removable Storage

16GB or 32GB Compact Flash

#### Connectivity

2 x USB,  
2 x RJ45 for 10M/100M/1G LAN  
1 x PS/2  
1 x RS232  
1 x VGA

#### Power Supply AC

90-26V AC, 47-63 Hz

#### Power Supply DC

28VDC (18-32VDC)

### ENVIRONMENTAL

#### Enclosure Rating

IP54 front; IP52 rear

#### Shock

10G, 11 ms pulse with 3 axis

#### Vibration

2-13Hz Displacement =  $\pm 1.5\text{mm}$  - 3 axis  
13-100Hz Acceleration =  $\pm 10\text{m/sec}^2$  (1g) - 3 axis

#### EMI & Safety

CE Mark, EN 61326-1:2006 addendum AB, FCC: 47 CFR15

#### Temperature range

Operating 0°C to 50°C  
Storage -20°C to +60°C

### MECHANICAL

#### Housing

Aluminum sheet metal

#### Mounting

Rear VESA 100 mounting points  
Side mounting threaded screw points

#### Dimensions (approx.)

38cm (H) x 46cm (W) x 20cm (D)  
15.5" (H) x 17.8" (W) x 5" (D)

#### Weight (w/o mount & PS)

Approx. 20.5 lbs / 9kg

#### Operating System

Windows 7



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The given data is only intended as a product description and should not be regarded as a legal warranty of properties or guarantee. In the interest of further technical developments, we reserve the right to make design changes.