

BARRACUDA Lite 19" WS

safe area workstation

- Intel® Core™ 2 Duo 2.2Ghz processor
- 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 19" WS 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 19" WS is a sealed unit effectively removing these types of reliability variables.

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 19" WS 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
- Compressor stations
- Drilling Cabins
- Liquid natural gas terminals
- Refineries
- Well Stimulation and Coil Tubing Truck Cabins



SPECIFICATION

ELECTRICAL

Display

19-inch TFT LCD

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

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

90-265VAC, 47-63 Hz
24VDC (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

Yoke and boom side mounting points

Dimensions (approx.)

38cm (H) x 46cm (W) x 20cm (D)

15.5" (H) x 17.8" (W) x 5" (D)

Weight

Approx. 20.5 lbs / 9kg

Operating System

Windows 7



OPTIONAL ACCESSORIES

PART NUMBER

33-100196

DESCRIPTION

Pelican Case



BARRACUDA REAR



CONNECTION PANEL

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.