

### Totally Sealed for Harsh Environments

#### Non-Purged for Zone 2 and Class 1, Division 2 Environments

The ProPanel RigTrack Series Computer System is designed for mission-critical environments, featuring:

- **Sunlight-Viewable at Extreme Temperatures with Solar Gain Resistance**
- **15" Stand Alone Computer with Capacitive Touchscreen**

The ProPanel RigTrack Series is a fourth-generation rig floor instrumentation computer system, utilizing core technologies that have been field proven in the oil exploration and off-road industries. The system displays real-time information using standard PC architecture.

Designed to excel in rig floor environments, these units are totally sealed, immune to EMI/RFI and are able to withstand high shock and vibration. By utilizing passive thermal management, operators are able to view the screen in direct sunlight without the LCD going black.



#### Industries Served:

ProPanel RigTrack Series Computer Systems support the oil and gas exploration industry in the monitoring of BOP/ MWD/Rig Control and the oil and gas production industry for pipeline and rig monitoring. As well as, system solutions for the petrochemical industry for compressor decks, tank filling, catalyst cracker and utility applications.

#### **ProPanel RigTrack supports the requirement of:**

- **Enhanced risk management methods**
- **Online strategies to improve corporate asset management and profitability**
- **Better information technologies to reduce operating costs**



# ProPanel RigTrack Series

## Computer Systems Specifications

### Computer Hardware

Processor:	1.26GHz Intel Pentium Processor
Memory:	Up to 512MB SDRAM
Plug in Cards:	2 x PCI cards (up to 3/4 size)
Display:	15" TFT LCD 1024x768 resolution, 18 bit color minimum
Touchscreen:	Impact resistance capacitive tough touch
Keypad:	Rough service, NEMA 4 compliant membrane switch with function and numeric keys
Storage:	IDE hard disk 20GB minimum IDE flash disk 512MB or larger- Optional PCMCIA storage device-128MB and higher - Optional
Brightness:	Standard - 200 nits edge lit, 20,000 hours to half life Sunlight viewable - 900 nits in direct sunlight with 1000 W/M <sup>2</sup> sun loading, 20,000 hours to half life - Optional
Ethernet:	10/100Mbps RJ45 connector accessible behind hinged door 10Mbps or 100Mbps fiber through internal ST connection - Optional 802.11b wireless with an external antenna (requiring the usage of one PCI slot) - Optional
Floppy:	3.5" IDE floppy drive
PCMCIA:	2 x PCMCIA type II slots
Keyboard:	PS2 connector accessible behind hinged door
Mouse:	PS2 connector accessible behind hinged door
USB:	USB 2.0 connector accessible behind hinged door
Serial Port:	COM 1 isolated configurable to RS232/RS422/RS485 terminal connector accessible behind hinged door COM 2 non-isolated DB-9 connector
Horn:	PC buzzer amplified horn - Optional
PCI Interface Cards Available:	Profibus communication, Modbus Plus protocol, Allen Bradley Ktx protocol, CanBus communication

### Mounting Options

Wall Mount:	Default Mounting
Panel Mount:	Console applications - Optional
Yoke Mount:	Pipe applications - Optional

### Software

Compatible with Windows Platform Operating Systems, including Windows 2000 and Windows XP

### Environmental Specifications

Agency Approvals:	CSA Certified Class I, Division 2 Groups A, B, C, D per current code of practice CENELEC Zone 2 per ATEX directive CE per EMC directive
Enclosure:	Waterproofed: NEMA 4 and IP65 standards Chemical Resistance: Typical petroleum industry solvents and cleaners
Temperature:	Operating: -40°C to +50°C or 0°C to +50°C Non-Operating: -20°C to +70°C
Humidity:	Operating: 10 to 100% condensing Non-Operating: 10 to 100% condensing
Vibration:	Operating: 1G Peak-to-Peak, 10 to 500Hz, all axes (with solid-state storage) Non-Operating: 2G, 10 to 500 Hz all axes
Shock:	Operating: 5G for 11 msec duration, half-sine, all axes Non-Operating: 15G for 11 msec duration, half-sine, all axes
Power Requirements:	UNIVERSAL AC System: 90 to 240 VAC, 47 to 63 Hz @ 120 Watts MAX UNIVERSAL DC: 9 - 36 VDC, 50A inrush for 10 msec duration For heaters add an additional 100 Watts MAX
Weight:	~35 lbs. without yoke assembly
Dimensions:	Width: 16.5" Height: 14.75" Depth: 6.0"

### Models Available

ProPanel RigTrack 15H Ultra - 15" Hazardous Version with Sunlight Viewable Screen  
ProPanel RigTrack 15 Ultra - 15" Safe Version with Sunlight Viewable Screen  
ProPanel RigTrack 15H Basic - 15" Hazardous Version with Standard Screen  
ProPanel RigTrack 15 Basic - 15" Safe Version with Standard Screen