

ProPanel® TC2500

zone 1 non-purged embedded computer



- zone 1 non-purged thin client /embedded controller
- standard i.s. ethernet, rj45 connection
- small, lightweight, ideal for rig-up/rig-down
- i.s. keyboard and serial connections
- touchscreen option available
- wireless options available

Azonix, utilizing its core competency in certifying equipment for hazardous areas, and its understanding of rig floor surface equipment, has developed the ProPanel TC2500.

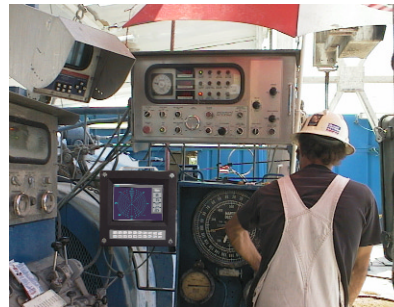
The TC2500 is a stand-alone embedded computer. It is designed to fit remote terminal applications as a thin client or embedded controller. This hardware platform is built to survive the abuse of the rig floor environment while providing important benefits such as low weight and small size. This, as well as easy connections, make the TC2500 an ideal solution for "rig-up/rig-down" applications.

The TC2500 is powered by an embedded controller that can run a browser, Java applets, or other small apps over a .NET or embedded XP operating system. It can run Ethernet or serial protocols, communicating via copper, fiber, or wireless. The unit can operate in extremes of temperature and vibration, and works with I.S. peripherals, pointing devices, and external keyboards.

A Cost-Efficient Solution for a Remote Terminal

The Azonix ProPanel TC2500 is designed specifically to eliminate labor and expense inherent in setup time and cabling installation of rig-floor surface equipment computers. The system is also ideal for mobile interface with remote gas compression stations and other Zone 1 equipment.

- **Fast rig-up/rig-down times** compared to other computer setups
- **Low maintenance costs** due to use of standard RJ45 or wireless connectors and cables (avoiding EEx'd connectors, antenna, and armored cable)
- **Low service and support cost** due to modular design, which is simple to troubleshoot and repair
- **Field-proven ProPanel technology** offers the longest service life available, for the lowest overall cost of ownership



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ProPanel TC2500 Applications

Azonix' thin client design pushes ProPanel further into the realm of point-of-attack applications for operations in hazardous areas, such as skids, gas compression stations, remote installations, offshore rigs, harsh industrial environments, marine applications and more.

- **The TC2500 is a portable, rugged controller/monitor that can be transported from site to site or easily mounted for permanent installations**
- **The wireless option provides high-security, high-speed communications for fast rig-up/rig-down in difficult installation locations, eliminating prohibitive cabling cost and labor**

TC2500 Specifications	
Processor:	850MHz Intel Embedded Processor
Operating System:	Embedded XP SP2 with .net 2.0 framework
LCD and Backlight:	10.4" (640 x 480) with sunlight-viewable capability
User Interface:	Integrated membrane keys Glass-based touch screen (Optional)
Input/output:	
Power:	Rig Universal A.C. power input, armored cable through EEx'e terminals or EEx'd connector
Signals:	Keyboard, Serial and Ethernet (RJ45) - All I.S. to allow easy connections with devices
Certification:	Zone1
Environmental Specs:	
Temperature:	-40°C to +45°C in direct sunlight (1KW/m2)
Shock:	15G, 11ms pulse in all 3 axis
Vibration:	3G, 10 Hz to 500 Hz in all 3 axis
Sealing:	NEMA4
Enclosure:	Aluminum with <3% Magnesium
Dimensions:	~13.5" (W) x 12.5" (H) x 5" (D)
Weight:	>27 lb Base Configuration
Mounting:	Desk and Wall Mount standard, Panel Mount Kit optional
Wireless Option	
Communications:	Industry standard IEEE 802.11b supports high level of security and high data band width
Radio Characteristics:	2.4 - 2.4835 GHz DSSS / distance ~2500' L.O.S. (line-of-sight)
Antenna Interface:	Intrinsically Safe - does not require EEx'd antenna or armored cable / lightning suppressor
Antenna:	"N" type reverse polarity connector (Optional)
Certification:	Zone1
Connections:	Standard connectors (vs. EEx 'd) for easy rig-up and rig-down, lower operation cost
Indicators:	Power, Tx/Rx Status and Signal Strength on antenna module enable 1-person installation



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