

Tactical Office™

A complete office system that provides the convenience of a modern office, yet is deployable worldwide at a moment's notice. The system is comprised of various modules configured to meet the needs of your applications. These include:



Tactical Desk™: 1, 2 or more personal workstations that fold into a small cubic shipping container including the folding chairs and optional equipment.



- Rugged, flexible layout, modular construction.
- Quick setup and tear down without tools.
- Multiple file and storage drawers.

Tactical UPS or Power Conditioner: built-in unit takes any available AC and/or DC power and produce computer-grade power with or w/o batteries.

- Regenerates source into pure, sinusoidal power.
- Increases operational reliability of all connected equipment, i.e. computers, notebooks, comm gear.
- Wide-range AC input voltage and frequency to operate from any local grid power or generator.
- Wide-range DC input from most vehicles or aircraft
- UPS internal batteries provide extended backup.

Notebook PowerStation™: slide-out tray to support a notebook computer for comfortable keyboarding or as a convenient place for a portable printer:

- Provides clean power for any notebook or printer.
- Expands USB by (6) 2.0 ports via a powered hub.
- Provides additional notebook cooling.

Tactical Task Light™: Easily positioned, energy efficient LED lighting to illuminate your work space.

Visit www.TacticalOffice.com for details!

Customer Defined Configurations

Pre-defined and customer defined configurations are available with all the features needed for your specific application. For more details on Tactical Computer Workstations plus available options and accessories, email us, call us or visit the web site below:

Energy Technologies, Inc.
219 Park Ave. East
Mansfield, OH 44902-1845 USA
Voice: 419.522.4444 Fax: 419.522.4466
E-mail: sales@tacticalcomputers.com
www.TacticalComputers.com

Copyright 2009 © Energy Technologies, Inc. All rights reserved.

Document P/N ETIBR-0007 Rev 0

Tactical Computer Workstations™



Reliable, Portable,
Computing Solutions
for Hostile Environments

www.TacticalComputers.com



Energy Technologies Inc.

Rugged Power ♦ Global Solutions



Energy Technologies Inc.

Rugged Power ♦ Global Solutions
219 Park Avenue East
Mansfield, OH 44902-1845

www.TacticalComputers.com

Place
Stamp
Here

Tactical Computer Workstations™

Energy Technologies' (ETI) line of Tactical Computer Workstations (TCW) are designed for extreme environments that would cause other supposedly rugged computers to fail. Available TCW features include silent, fanless operation with state-of-the-art, low-energy processors; solid state drives; transfective touch screen monitors; wireless and multi-port connectivity; global AC and DC input power; long-duration battery backup; all in a water-tight, shock-resistant, mil-spec transit case.



No Moving Parts

All of us know that moving parts are subject to wear and that wear leads to failure. The TCW eliminates rotating fans and hard drives.

Fans are usually used in computers to remove the heat from the computer. In this case by improving the computer power supply, processor and other component efficiencies, little waste heat is generated and fans are not needed.

Most computers use hard drives for mass storage. The rotating hard drive is subject to failure from wear and well as head crashes from mechanical shock. Also a strong magnetic field or EMP pulse can also cause irrevocable data loss. The TCW offers solid-state drives with significant capacities as an alternative.

So there are multiple benefits:

- Reduced heat from dust buildup drawn into unit.
- Increased reliability with no moving parts and lower internal temperatures.
- Longer battery run times with lower energy usage.
- No audible noise from fans or hard drives.

Daylight Visible Display

Most LCD displays become difficult to read when used in daylight conditions. To solve this issues, the TCW offers a transfective LCD that is clearly visible in all lighting conditions. The display is also available with touch screen sensors as another form of operator interface.

Connectivity

The TCW offers a complete array of connectivity features ranging from:

- Solid-state drives that can be easily removed for secure locked storage or for transporting data.
- Multiple individually powered USB 2.0 ports able to power external USB devices such as DVD.
- LAN - 10/100/1000 Ethernet.
- 802.11 b/g/n wireless.
- Cellular broadband capabilities.
- Radio data modem available.
- Multi-format memory card reader/writer.
- Read/Write CD/DVD drives available.
- Other connectivity interfaces optional.

Power Source Choices

Operating computers in remote locations can provide unique challenges when traditional power sources are not readily available. The TCW offers a variety of solutions to keep your system running and for longer periods of time.

Power Source Options:

- Connect to the local AC power grid in ANY country with an input range of 85-270 VAC.
- Operate from any portable or towed AC generator without fear of damaging the computer.
- Connect to any aircraft AC or DC power source.
- Operate from either 12 or 24 VDC vehicles.
- Connect the optional Tactical Solar® panel to recharge the batteries while continuing to operate the TCW.
- Operate from the light-weight, internal batteries for up to 24 hours of run time.
- Connect the optional companion battery cases and operate the computer for days when traditional power sources are unavailable.

Built-In TCW

The TCW is also available built into a Tactical Desk. Retaining all of the previous advantages, this version of TCW is mounted on slides, allowing it to sliding out into the user position when needed and safely stowing inside the desk when not needed or for shipment to another location.



Tactical Data Vault™ (TDV) Drive

- The TCW is available with traditional rotating drives or preferably solid-state drives of various capacity.
- Secure fingerprint reader to assist in preventing unauthorized access.
 - No data loss due to EMP, HEMP or other high level magnetic fields.
 - Data retention when unused: 10 years.
 - Rapid Data Deletion™ (RDD) option to instantly wipe the drive data to prevent it from falling into the wrong hands!
 - Solid-state technology means no moving parts for quiet operation and durability: MTBF over 1,200,000 hours!
 - Hot swappable.
 - Built-in error correction code.
 - Low power consumption.
 - Operating temp. -20°C to +70°C.
 - Storage temp. -40°C to +80°C.
 - Shock: 1500 G for 0.8 milliseconds.
 - Vibration: 5-800 Hz.
 - Drive can be partitioned into both secure and non-secure sections.
 - Security can be set for 1 fingerprint, or up to 10 prints plus security codes.
 - Time delayed lock if there is no activity.
 - The TDV can be quickly and easily removed from the Tactical Computer Workstation to securely store or to transfer data between systems.



Solar Powered Operation

The TCW is available equipped with a foldable solar panel(s) of sufficient power to operate the computer and to recharge the computer's batteries.

Panel features include:

- Foldable design.
- 15 – 60 watt panels.
- Parallel and/or series configurable for higher wattage or voltage.
- Waterproof & UV resistant.
- Durable yet flexible.
- Tough tear resistant nylon.
- Operates w/punctures & holes at reduced power.
- -40° to 80°C operating temperature range.
- Anti-glint coating reduce reflectivity.
- Tested to Mil-Std 810E.
- Performance will not decline with age.

