

# Stress Relief™

A Smartronix Value-Added Solution for the Panasonic Toughbook Line



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## RUGGED SOLUTIONS - PROTECTION FOR PCMCIA CARDS AND CABLES

The Smartronix Stress Relief™ provides the PC Card protection needed for a rugged laptop intended for heavy use in the field. The Stress Relief protects PCMCIA cards and their fragile connectors from damage during operation. The connections to PCMCIA cards become weak points in an otherwise rugged and durable computing system. Our Stress Relief removes this weakness by clamping onto the case of the computer, covering the PCMCIA cards and providing rugged connections to replace the vulnerable ones. Because the Stress Relief clamps to the computer case with no modifications necessary, the warranty is not voided and the computer system can be returned to its original configuration at any time.

## STRESS RELIEF BENEFITS

- ▶ Protects laptop PCMCIA cards and dongle connections
- ▶ Secures cable and prevents damage due to pulls, twists, and vibration
- ▶ Protects exposed laptop PC card slots
- ▶ Provides customer specified rugged connectors
  - Military or commercial configurations
- ▶ Custom physical sizes
- ▶ Simple installation and removal
  - No modifications necessary to laptop
- ▶ Lightweight
- ▶ Integrated power converter
  - Accepts a wide variety of input voltages
  - Both AC and DC power conversions available



## APPLICATIONS

- ▶ MIL-STD-1553 Avionics Data Bus
- ▶ RS-232/422 Serial Communications Bus
- ▶ Data Acquisition
- ▶ Video Capture
- ▶ IEEE 1394 Fire Wire
- ▶ IEEE 488
- ▶ Bluetooth Wireless
- ▶ USB Hubs
- ▶ ViaSAT VDC 400/600 Data Controllers
- ▶ Tactical Modems
  - TacLink 3000
  - PCIDM
- ▶ Integrated Power Converter - To power system from vehicle, aircraft, or battery
- ▶ Wireless LAN PCMCIA Card Protection
  - SecNet 11
  - Cisco AirNet
  - 3G Broadband Wireless Modems



## SMARTRONIX STRESS RELIEF SOLUTIONS

Panasonic CF-18 Toughbook



Panasonic CF-29 Toughbook



## CONTACT

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### ABOUT SMARTRONIX

Smartronix<sup>®</sup>, Inc. is a U.S. based, highly reputable IT and engineering solutions provider specializing in **Cloud Computing**, **Cyber Security**, **Health IT**, **NetOps**, **Software Development**, and **Mission-Focused Engineering**. In today's demanding and ever-changing technology and warfare landscapes, we continue to provide innovative, agile, and secure mission-critical solutions that transform and modernize operations and help contribute to our national security and defense. Smartronix, Mission Assured.



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CMMI DEV/3 & CMMI SVC/3  
 ISO 9001 & ISO 20000

