



Specifications Chart

| Product Families | StrongBox LT | StrongBox |
|--|---|---|
| Ergonomic Design |  |  |
| General Specifications | | |
| Form Factor: | ATX / μ ATX Industrial Motherboard with PCI, PCI-X, PCI-E or PCI / ISA architecture | |
| Architecture: | 1 PCI-E (x16), 4 PCI, 1 shared PCI/ISA and 1 PCI-E (x1) <u>or</u> 1 PCI-E (x16), 4 PCI and 2 PCI-E (x1) <u>or</u> 1 PCI-E (x16) , 2 PCI-X and 3 PCI expansion slots | |
| Processor: | Intel® Pentium® 4 supporting Hyper-Threading <u>or</u> Pentium® D, Dual Core Technology | |
| Slots / Full Length Slots: | 7 slots / 6 full length slots | |
| Memory: | Support up to 4GB DDR or DDR 2 SDRAM Memory | |
| LCD: | 15" TFT, 1024x768 pixels or 1600x1200 pixels, 200 nits, 500 nits, or 1800 nits | |
| Diagnostics / Advanced Diagnostics: | Case/cards fan speed control, alarm on case/cards/CPU fans, thermal alarm (sound/LED), high temperature thermal shut down | Specific monitoring of case/card's fan speed, alarm on case/cards/CPU fans (sound, LCD message), thermal alarm (sound, LCD message), high temperature thermal shut down |
| Corner Protectors: | Not available | Steel reinforced shock absorbing rubber corner protection |
| Protective Glass: | Not available | Impact resistant & anti-reflect LCD screen glass |
| Speakers: | Built-in stereo speakers c/w 4w amplifier | |
| Drive Bays: | Up to 6 shock and vibration mounted drive bays: 2x2.5" (1 optional), 1x3.5" (optional) & 1x5.25", 1 slim floppy bay & 1 slim CD bay | |
| Case Construction: | Lightweight aluminum chassis (external/internal) | |
| Case Size (W x D x H): | 16.3" x 8.9" x 12.8" | 16.9" x 9.5" x 13.4" |
| System Weight: | 9.07 kg (20 lbs) | 9.30 kg (20.5 lbs) |
| Keyboard/Pointing Device: | Full size detachable & mechanical keyboard c/w 2 buttons touch pad for exact positioning | |
| Power Supply: | Universal 400W Auto-ranging 90~265 VAC, 47~63 Hz. Dual cooling fans | |
| Retention mechanism: | Accommodate any card's size and height with up to four hold down brackets | |
| Security lock: | Kensington security slot for protection against unauthorized removal (<i>lock not included</i>) | |
| Connector: | Front audio/USB connector | |
| Carrying Case: | Soft padded carrying case | |
| Cooling fan: | 80 mm (30 CFM) <i>see Options & Accessories for additional cooling options</i> | |
| Mechanical Environment | | |
| Shock (operating, all axes): | 12G, 11 ms $\frac{1}{2}$ sine wave | 18G, 11 ms $\frac{1}{2}$ sine wave |
| Vibration (operating, all axes): | 10 to 20 Hz: 0.015", 20 to 500 Hz: 1G peak acceleration | 10 to 20 Hz: 0.020", 20 to 500 Hz: 1.5G peak acceleration |
| Operating Temperature: | 0-50°C | |
| Options & Accessories | | |
| Display Controllers: | 128 MB or 256MB AGP 8X or PCI-E (x16) | |
| Keyboard/Pointing Device: | Rubber keyboard and pointing device | |
| Cooling Fans: | 1, 2, or 3 Card Cooling Fans (6 CFM each) and/or Back Cover Fan Cooler with dual extract fans | |
| Hold Down Brackets: | Up to 4 brackets to fit any card combination | |
| Removable Drive: | ATA 133 removable drawer | |
| Carrying Cases: | Air transport case (ATA 300, cat. 1) Air transport case on wheels c/w pull-out handle (ATA 300, cat. 1) | |

StrongBox™

Industrial Portable Advanced Computers



StrongBox Industrial Portable Advanced Computers

Introducing the lightest, all-aluminum, fully featured multimedia portable computer family ever designed for the mobile computing market. Offered with Intel® Pentium® 4 processor supporting Hyper-Threading and Pentium® D, Dual Core Technology up to 3.8 GHz and up to 4GB DDR or DDR 2 SDRAM Memory, the **StrongBox** and **StrongBox LT** will indubitably surpass your most demanding application needs.

The **StrongBox** combines solidity, mobility, high expansion capability, and advanced control and monitoring all in one system, without compromising the ergonomics and overall performance. Thus, each and every component has been carefully designed to fulfill this challenging goal.

The systems are 100% designed, manufactured and tested in North America, assuring first-rate product quality as well as fast and efficient after-sales service conducted by highly skilled and experienced personnel. As for the cost value, it offers the best quality / price ratio on the market.

Feature: Ultra lightweight portable system of 19.5 lbs (8.36 kg).

Benefit: Provides easier mobility and lower chance of fall or drop, thus decreasing repair and replacement rate.

Feature: Highly ruggedized enclosure design.

Benefit: The 100% aluminum alloy case construction, paired with the steel reinforced shock absorbing protective rubber on all corners of chassis*, form a shield against the most severe conditions. A locking system secures the integrated 105-keys detachable mechanical keyboard and built-in touch pad, to ensure total protection of the LCD display and front panel.

Feature: Advanced diagnostic* performed to specifically monitor and control case/card's fan speed, alarm on case/cards/ CPU fans (sound/ LCD message), thermal alarm (sound/LCD message), and high temperature thermal shut down.

Benefit: Assures outstanding reliability.

Feature: Internal stereo speakers c/w 4 watts amplifier.

Benefit: Provides high quality sound system.

* Standard on StrongBox. Optional on StrongBox LT.

** Available on StrongBox version only.

Feature: Expansion capability unmatched by competitors with similar weight ratio.

Benefit: Offers up to 7 expansion slots (6 full-length) and up to 6 drive bays. This flexibility makes the **StrongBox** the ultimate choice for high performance in applications requiring multimedia and monitoring features : field data acquisition, network and telecom testing, mobile computing, instrumentation, industrial automation, and the military are just a few examples.

Feature: 15" active matrix TFT LCD displays protected by 1.6 mm impact-resistant scratch-free glass*. Offered with up to 1600x1200 LCD resolution and 1800 nits brightness.

Benefit: Display providing clear views combined with sharp, sunlight readable text and images.

Feature: Accommodates ATX / µATX Industrial Motherboard with PCI, PCI / PCI-E, PCI / PCI-X or PCI-E / PCI / ISA architectures.

Benefit: Gives maximum flexibility and upgradeability to match any user's application requirements.

Feature: Up to 6 speed sensitive cooling fans.

Benefit: Helps keep the unit cool in the most extreme thermal environments.

