

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



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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.

