CORNICE®

Take It With You

The Storage Element

designed specifically for an active lifestyle

The 3.0GB Storage Element

With Rugged Crash Guard™ Technology

Based on Cornice's Crash Guard™ technology, the new 3.0-gigabyte Storage Element addresses the ruggedness and durability issues that plague many of the most popular MP3 players and cell phones on the market today. Consumer products built with Cornice can sustain much wider ranges of movement and shock than competitive products, aligning them perfectly with the active lifestyle of today's consumer. The 3.0-gigabyte Storage Element includes a new Active Latch mechanism to prevent the kind of damaging drive head movement that can occur when a device is dropped.

Storage is the single most expensive component in most consumer electronics devices. Because Cornice built the Storage Element from the ground-up to be optimized for consumer electronics, the company offers the most competitive price point for high-capacity storage available anywhere. The company's new 3.0-gigabyte SE offers the most bits per square inch in the industry and allows OEMs to deliver new products into new and existing categories at extremely competitive high-volume retail price points.

About Cornice

Cornice Inc. is an innovator in small, robust, low-cost, high-capacity storage that enables a new generation of pocket-able consumer electronic devices for the world's leading brand-name manufacturers. The Cornice Storage Element (SE) is durable, integrated, personal storage that brings new levels of affordability and content capacity to these devices.

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3.0GB SE Features and Benefits

Size	42.8mm x 36.4mm x 4.37 mm or 5 mm (CF Version) 14.5 grams	-Allows ultra-small, lightweight pocket-able CE devices with enriched audio and video capability -Allows CE devices to be 30 percent smaller than 1.8-inch storage-based devices
Crash Guard™	-Able to sustain 1.5 meter drops onto hard concrete (with properly designed enclosure) -Active Latch holds head in place during shock to minimize HOD failures	Enables the creation of ultra-rugged CE devices to support active lifestyles
Skip Control	-Will not pause during playback while device is experiencing extreme motion (running, jumping, etc.)	
Power	-4.5mW average during typical audio playback -23mW average during typical video playback -85mW average during typical video recording	Enables long battery life (SE-based audio players exceed 16 hours of battery life)

Capacity	3,000,000,000 Bytes	-1800 songs in WMA at 64Kbits/sec or 900 songs at 128Kbits/sec -9 full-length movies or 13 hours video playback on 3.5-inch screen (256x112) -12 full-length movies or 20 hours of video playback on 1.5-inch screen (160x64) -5.25 hours of video recording with VHS-quality for TV monitor playback -3,750 pictures from a 3 mega-pixel camera -42,000 pictures to display on a 3.5-inch screen
Transfer Rate	5.0Mbytes/sec typical average	Greater than: -280X the requirement for high-quality audio playback at 128Kbits/sec -96X the requirement for high-quality video playback on a 3.5-inch screen at 375Kbits/sec -24X the requirement for VHS-quality video recording at 1.5Mbits/sec
Rotations Per Minute	4440 RPM	Enables faster data downloading and transferring
Temperature Humidity	0° to +65° C 9-90 percent at a maximum wet bulb temperature of 29.4°C	Allows CE devices to sustain extreme outdoor environments
Device Lifetime Media Lifetime	>5 years in typical use The SE's magnetic media has no "wear-out" modes, which restrict the number of times it can be written	Enables long lifetime for normal CE operation
Mechanical Interface Electrical Interface Supply Voltage SE-Compatible Processors Available From: Schematics/Design Review Reference Design	Embedded inside the CE device Compact Flash - True IDE mode (for embedded use) 3.3V Texas Instruments, SigmaTel, PortalPlayer, Intel, Motorola, Cypress and AMD Available by Cornice to ensure high-quality CE devices Available upon signing the Cornice NDA	Enables fast design-in time for CE devices

For complete specifications, consult the Cornice 3.0GB Specifications Brochure, available from sales@corniceco.com

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