

Samsung Launches 1.5 Terabyte 'EcoGreen' F2EG Hard Disk Drive

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Samsung Electronics today announced its new EcoGreen F2EG hard disk that delivers a massive 1.5TB of capacity with 500GB per disk. With increased recording density and reduced number of disks, the EcoGreen F2 drive is more power efficient by supporting a capacity up to 1.5TB with 3 disks.

"Lower platter count means less power to start the motor, less power to continuously spin the motor and a lighter head-stack which takes less power to seek," said Andy Higginbotham, director of HDD sales and marketing for the Samsung Semiconductor Storage Division. "With fewer heads and disks, the F2EG [hard drive](#) has a lower probability of head-disk failures, enabling customers to build more reliable systems."

As [hard disk](#) capacity increases from an increased number of disks, so does [power consumption](#). However, Samsung's F2EG drive offers low power consumption by using EcoTriangle, a low-power, low-heat, low-noise operation technology. With its advanced design and fewer components, the F2EG drive is 40% lower in power consumption in idle mode and 45% lower in reading/writing mode than competitive drives. Samsung's Eco-Triangle™ technology offers more energy efficient and high performance hard drive options to manufacturers of home media PC, external HDD, set-top box, and personal NAS.

In addition to the European Union (EU)'s Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) Regulations, Samsung's F2EG drive complies with many other

environmental regulations.

Samsung's [EcoGreen](#) F2EG drive, which is suitable for both external hard disks and desktop PC, incorporates 500GB/1TB/1.5TB capacity, 16MB/32MB [buffer memory](#), and 3.0 gigabytes per second (Gbps) Serial Advanced Technology Attachment (SATA) interface. The F2EG hard drive, employing advanced PMR technology, achieves greater aerial density and improves transfer performance as well.

The F2EG family of drives is currently being shipped to major OEM businesses. The 1.5TB HDD is available at \$149.00 MSRP.

Source: Samsung

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