

# Flash Products

## USB Memory Key

MEMORY • FLASH • STORAGE • DISPLAYS • EMBEDDED

### USB-IF Hi-Speed 2.0 Memory Key

SMART Modular Technologies' line of USB-IF Hi-Speed 2.0 Memory Keys brings the power of data portability to mobile computing. Providing low power, high capacity mass storage in a small form factor. The industrial-grade USB Memory Key acts like a hard drive, but has the speed and transportability of a solid-state device

SMART's USB Memory Key products offer a high performance data storage solutions in a compact and convenient ultrasonically welded housing. With an integrated controller chip and special proprietary space-management architecture to maximize read/write operations, the USB Memory Key eliminates the firmware delays associated with sector read and write functions found in first generation memory devices.

### USB Memory Key Specifications:

- USB specification v2.0 High speed compliant
- USB bulk storage support
- USB class definition for bootability support
- Firmware upgradeable via USB bus
- Capacity range 128MB to 8GB
- Industrial grade temp range 0°C to 70°
- Low power dissipation (<500uA in standby)
- Auto speed mode
- OS support
  - Win 2K, ME, XP and 98SE\*
  - \*Only with additional driver
  - Mac OS X, Mac OS 8.6 or higher
  - Linux
- Worldwide regulatory approval
- USB-IF and MSWHQL Product Certifications



## Ordering Information

| SMART Part Number | Chip Density | Physical Capacity |
|-------------------|--------------|-------------------|
| SG9FLAMK128T1E1   | 1Gb          | 128MB             |
| SG9FLAMK128T5E2   | 512Mb        | 128MB             |
| SG9FLAMK256T2E1   | 2Gb          | 256MB             |
| SG9FLAMK256T1E2   | 1Gb          | 256MB             |
| SG9FLAMK512T2E2   | 2Gb          | 512MB             |
| SG9FLAMK1GT9E1    | 8Gb          | 1GB               |
| SG9FLAMK1GT4E2    | 4Gb          | 1GB               |
| SG9FLAMK2GTAE1    | 16Gb         | 2GB               |
| SG9FLAMK2GT9E2    | 8Gb          | 2GB               |
| SG9FLAMK4GTAE2    | 16Gb         | 4GB               |
| SG9FLAMK8GTBE2    | 32Gb         | 8GB               |

### Product Certifications



MS WHQL



## USB Memory Key Diagrams

