Elite SL Drive

The Dongle with Aplication Media

The flash embedded is high-speed USB 2.0 device with the maximum write speed over 10Mb/s; the maximum read speed over 20Mb/s. The maximum capacity of flash drive chip supports 4/8/16Gb, and memory chips are of high quality MLC or SLC flash drive memory chips, to ensure data storage security.

● **High-speed storage**
The flash embedded is high-speed USB 2.0 device with the maximum write speed over 10Mb/s; the maximum read speed over 20Mb/s.

● **High capacity**
The maximum capacity of flash drive chip supports 16Gb, and memory chips are of high quality MLC or SLC flash drive memory chips, to ensure data storage security.

● **Multiple partitioning options**
It is customizable for a verity of partition schemes (Security Partition, Public Partition, Hidden Partition, and CD-ROM). It enables developers to choose the most feasible for the unique demand of software product and determines the size of partition freely.

● **Password Protection**
Only user with valid password can access the protection zone. Even if the device is lost, data is still under protection. (Windows systems only)

● **No Interference**
The dongle and the Flash drive works independently from each other, without interference. Users may need to develop encryption functions respectively according to their requirements.

Flexible License Management

● **Support up to 256 license modules**
255 of license modules can be customized to manage the use of features in the software.

● **Licenze module can be customized**
Licenses can be specified to control the software: of the trial days, of expiration date or of execution of features, etc

● **Secutity algorithm support**
Each license module provides an individual key for the international standard 168-bit AES algorithm, which can be used to encrypt or decrypt data. These keys will be changed when the Product ID or Developer ID is changed.

Secured and Convenient Remote Update

License modules can be updated remotely.

● **Encryption of the update date**
The data is encrypted by TDES and RSA algorithm and is shielded from any forging and tampering act. Furthermore, the update data has only one-off validity to a specific Elite SL end-user key.

● **Hardware-based production of update data**
When producing the update data, an Elite SL master key is essential. Only end-user keys that have the same Developer ID and Product ID can be approved to use the data generated by the master key.

Sophisticated Hardware

● **16KB large-capacity usage space**
Elite SL Drive allocates 8KB to read-only and read-writable data blocks respectively that greatly enriches the encryption schemes for software developers.

● **Password lockout**
Each Elite SL Drive has a 16-byte administration password, and the chip has a self-locking mechanism to resist the dictionary attacks. If the attack frequency exceeds the initialized value, the chip will be self-locked and no one can undongle it.

● **Unique serial number**
Each Elite SL Drive has a 64-bit serial number released by the Global Organization for Standardization instead of chip manufacturers, which is globally unique and unchangeable. By using it, you can conduct the management of software release, update and verification.

● **Hardware Random number generator**

The hardware random number generator in compliance with FIPS 140 standard (Federal Information Processing Standard formulated by the U.S. National Institute of Standards and Technology) can really achieve the generation of random numbers without rules to follow and be used to confuse the decryption person to the maximum extent.

● **Driverless**

In full compliance with USB-HID device interface specifications, Elite SL Drive dongle can be used in most operating systems without additional device drivers reducing the difficulty of deployment and maintenance.

Specification

CPU	16-bit, 16MHz	Smart Card
RAM(bytes)	VM Mode	254+2047
Memory(bytes)	**64K**	Min 100000 times in writing
Flash Capacity	128Mb~32Gb	
IO Buffer(bytes)	250	
Working Temperature	-10~85°C	
Connection Type	USB 1.0, USB 2.0	Low speed with HID

Operating System Supported

Windows 98SE/ME, Windows 2000, Windows XP, Windows Vista, Windows 7, Windows Server 2003, Windows Server 2008

Programming Language Supported

VC6, VS2005, VS2008, Delphi6, Delphi7, Delphi2010, VB6, VB2008, C#, Java and more.