Virbox Moway 1

Product description

Moway 1 is the latest hardware lock (Dongle) for software protection with easy to use, cost effective functions to software developer. Equipped with 32 bits smart card inside and security level up to CC EAL4+. Moway 1 supports multi advanced encryption algorithm to protect software and also provides large data storage capacity to store and protect the license and critical data; Moway 1 supports HMAC identity authentication, remote upgrade, driverless mode and be flexible used in different scenario. In cooperate with Moway 1 Virbox Protector and other toolkits, software developer will be easily and quickly to complete the highly secured software protection scheme to safeguard their software program far away from piracy.

Highlights

Higher performance &Security
Moway 1 uses CC EAL4+ security chipset, EAL4+ is already the financial level security. It support USB full speed data transmission and big storage space is also provided.

Multi advanced security algorithm
AES、DES、TDES、RSA and ECC algorithm are supported, key data would be stored as file in the smart cart chipset. That can only be used and can't be read. In this way to guarantee the security of the key data.
Windows, Linux, Mac OS are supported.

Adaptive Driver
Moway 1 supports self-adaptive driver mode. When you haven't installed the driver on your machine, the dongle would be recognized as HID device (driver less mode), and if you have installed the device driver we supplied, the device would be recognized as driver installed device (USB mode).

Identity Authentication supported
HMAC algorithm is supported for challenge response identity verification. The key data would be saved into the dongle and can't be read or get illegally to make a safe and reliable verification environment.

Secured channel
Secured channel have been established for the device communication of the dongle and the protected software, and uses random scrambling technology to enhance the security level. To ensure the security of software protection and stop the cracker to get valid information by the data frame.

Big data storage space
Moway 1 use file management system, the important data or important key data that needed in the running process of the software can be stored as a file in dongle. 8K or 32 K version are available for different request. And different file could be set to different permission.

Software Protection
Virbox Moway 1 provide software protection tool, and you can get high security of software protection level by the Virbox Protector (Moway 1 Version) without coding.

Rich Tool chains for different scenario
BatchTool.exe provided for batch dongle setting, CryptoTool.exe provided for key file generation and related test. MakePackageTool.exe for remote update the files in dongle, DevTestTool.exe for dongle initialization and setting. Virbox Protector(for Moway 1) basic version for create the bind relationship between the dongle and the software. Virbox Protector professional can protect the software with the latest technology, Virtualizaiton, Code obfuscation, Code encryption, Smart Compression, Import Table Protection. What you need to do is select and click.

Three levels of access right management

For different access right request of different function, default permission, user permission and developer access right are provided.
Only have been verified the corresponding access right the user can use the corresponding function of the device.

UUID

Universal Unique ID has been set to each Moway 1 hardware lock, which is hardware serial ID Set before Moway 1 are shipped to the software developer, you can use this UUID to bind with your protected software and use the UUID to trace and track your software program.

Data Encryption

Virbox Moway 1 provide key file generation tool to manage the key file. The key file would be stored as file and software developer can call API to use the key file by assign the file name. In this way to complete the encryption, decryption, signature, and signature verification operation.

Stability and reliability: highly integrated technology of Maway 1

All critical components of Moway 1, includes CPU, RAM, ROM and non-volatile memory are all integrated in single chipset which guarantee the Moway 1 quality and stability in high level and minimizing the risk coming from hardware damage.

Easy to use

Software Envelop by "Select &Click"

Moway 1 Solution provide envelop tool to the software to be protected. The software can get high security only by "select and click" Virbox Protector (Moway 1 Version) , and no coding needed.

Easy file management and Data Storage

Virbox Moway 1 provide file manage system. No offset needed to manage the data block in the chipset. As the data would be stored as file, that could be defined freely by software developer. You can access the file by file name not by the boring data block.

Technical Specification — Moway 1

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Smart Chipset	ARM Chipset, 32-Bit Processor
Security Level	CC EAL 4+
Programmable Memo	8Kb/32Kb
OS	Sense COS
Unique Serial ID	Available
Supported Operation System	Windows, Linux, macOS
Program language support	C/C++,C#, .Net, .Net Core3, Delphi XE7 and above version, Java, VB, labVIEW, Python, Lua, Pel, R, Ruby, PHP, MATLAB;
Framework and Plugin	AutoCAD ARX, Revit, UE4, Unity3D

Physical Parameter

Case	Plastic
Model & Version	Basic Moway 1
Interface	USB 2.0, Full speed
Data Retention	10 years
Power Consumption	Max. 150 mw
Writing Cycle	100K
Operating Temp.	-10 ~ 70℃
Storage Temp.	-25 ~ 125℃
Measurements	14 x 7 x 32.5 mm
Conformity and Certificates	CE, FCC, FEACH/SVHC, ROHS, WEEE

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