

Virbox EL 5 Acme

Powerful Smart dongle for Software Copyright & Intellectual Property Protection and Licensing Management Solution



Product Description

The Virbox EL 5 Acme is latest version & future proof of smart dongle designed for Software protection and licensing for Software Vendors, it can be either works independently like traditional dongle or works with the Virbox LM to provide top level security guarantee for software be protected. Elite 5 Acme integrated with latest 32 bits ARM smart chipset and the security level is up to CC EAL5+ with execution speed up to 50MIPS, it contains secured RAM and flash memory which makes software dynamic be encrypted in different level via virtual machine Environment, Code Fragmentation Execution, Anti-Hacker Shield Technology, Elite 5 Acme provides Anti-Hacker engine, Anti-Debug engineering, Code Fragmentation technology to software vendor to protect SW and IP respectively.

Highlight of EL 5 Acme:

- Fully new Designed zinc alloy case supports working in tough environment, with multi technology integrated in manufacture: Nanotechnology, Special plating, Laser engraving etc.
- Working together with Virbox Protector (Virtual Encryption Engine & Auto Compiler), Virbox SDK, API, and other tools provided by Virbox LM, It will be dramatically reduce Software Vendor effort and workload in Software Protection/Encryption & provides top security level protection to Software copyright & Intellectual Property.
- State of the Art COS and File Management system;
- Integrated with Virbox middleware and isolated physical hardware.
- Multi type of License stored inside, support licensing to multi application in one EL 5 Acme
- Equipped with top level Security Algorithms;

Security Functionality available as follows:

Dedicated and Unique designed SDK for each software developer;
 Software protected by top security envelope tool: Virbox Protector, VM inside and multi encryption technology integrated, with easy to use and effortless feature;
 Pro Active Detection & Defense Technology to protect software in whole lifecycle: Anti-Hacker Engine(Support with Virbox License Service); Anti-Debug, Anti-Hook, Anti-Reverse Engineering, Anti-Emulation to prevent different hacker attack behavior;
 Secured Communication Tunnel between dongle, API & applications which prevent cracker to create fake license
 Code Fragmentation Execution & Code Transplantation to enhance software encryption level and also will save workload;
 Master Lock with PIN verification function available for each developer to ensure the authorized person protection the software and issue license only

RAM and Flash memory of Elite 5 Acme consist of 3 storage zone:

- Public Area (PUB): Free area for reading and writing data, up to 64kb size;
- Read Only Memory (ROM): Read only area which reserved for software developer, such as digital signature, License file, Company logo. etc., up to 64kb size;
- Read and Write Memory (RAW): Reserved for developer to define & write data. up to 64kb size;

Elite 5 Acme supports multi license mode & license renewal/update.

License Modes Support:

- Perpetual Licensing
- Trial-Based Licensing
- Subscription Licensing
- Network Floating Licensing
- Feature on Demand Licensing
- Time-Based Licensing
- Usage/Consumption Licensing



Elite 5 Acme can be used standalone or can be used to connect to Virbox LM (Virbox Developer Center) to provide advanced protection and license functionality to Software Vendor.

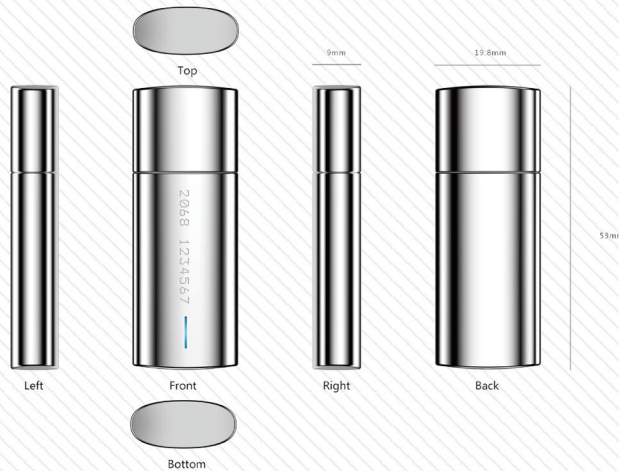
Elite 5 Acme is top level security tool to protect your software & IP and are widely used and well proofed to protect software copyright in different industry.

EL5 Acme is Smart Dongle designed and support to be used in industrial environment, the principal to design for IE5 Acme includes: All component for EL 5 Acme version has been adopted IE level component, support working environment from -25 °C~85 °C, v(-20 °C~60 °C for RTCC smart Version); Special design the case to shield the chipset to avoid electric magnetic interference; Over Voltage and Voltage Turbulence Protection to hardware;

Technical Specifications

	EL5 Acme
Smart Chipset	ARM SC300, 32 bits Processor
Execution Speeds	50MIPS/10DMIPS
I/O	360Kb/s
RAM	10Kb/s
Flash Memory	256Kb/512Kb(optional)
OS	Sense COS
No. of Licenses stored	3000/6000(optional)
Writing cycles	16.5M
Data retention	10 Years (25 °C)
Interface	USB 2.0 high speed rate
Security Level	CC EAL5+
Encryption algorithms	RSA 1024/2048 ECC 192/256/384 AES 128/192/256 DES/TDES SHA 1/256
OS Supported	Windows XP or above Linux, Mac
Program Language	C/C++, Delphi, C#, Java, VB, .net, ..., etc.,
Case Material	Zinc Alloy
Power Consumption	Max. 110 mw
Power Supply	4.5V~5.5V
Max Power Output	<20V
Working temperature	-25 °C~85 °C
Store Temperature	-40 °C~125 °C

Case Dimensioning(All dimensions in millimeter):



Certificates

The Elite 5 Acme is tested and compliant with following Standards
 CE, Test Report No.: SHEM180700575801, Date of issued: 2018-08-03;
 FCC, Test Report No.: SHEM180700575701, Date of issued: 2018-08-03
 RoHS, Verification Report No: TSNEC1801257402, Date of issued: 2018-08-14
 WEEE, Report No., TSNEC1801257202, Date of issued: 2018-08-9
 SVHC, Test Report No.: No. TSNEC1801256802; Date of issued: 2018-07-27

