

The complete gaming machine development solution

## Everything you need in one kit

Slot Constructor Framework is a full-scale solution. This unique software provides not only interface to hardware, but also modern graphical game engine, powerful tools and many other necessary components for your gaming system. You don't need to use any third-party software, hardware or API to accomplish your ideas. Everything is available out of the box.

## Rapid Game Development

The software is suitable for the game programmers of any level. Entry-level software developers are able to create complete project in very short time as well as advanced.

## Fully Crossplatform Solution

The ability to develop games under Windows XP and any modern Linux distro. Finished games are completely portable and ready to run under different operating systems without any recompilation. For example you may create the game under Windows and then simply run it under Linux. No Linux programming knowledge is required.

## Component-based, Event-driven Architecture

Totally event driven architecture helps to implement your ideas quickly. Plugin-based concept provides incredibly flexible extension system. This won't let you doing same job twice. Creating of Slot Constructor extensions can be done by entry-level developers as well as by experienced ones.

## Secure Networking Infrastructure

Ready to use networking system with encryption support and transparent data serialization into XML or binary format. Allows safe network data exchange and is suitable for iGaming or VLT projects.

## Full Unicode Support

Slot Constructor software has full UTF-8 encoding support and provides huge utility library for dealing with multibyte strings. Localizations available for any languages, Eastern languages available as well.

## Mathematics Engine

Videoslot game mathematic libraries collection with flexible settings. You may choose from huge number of game features and bonuses to make the game of your dream.

## Hardware Protection Against Copying of Your Games

Your games are well protected against copying at the start of development by using Trusted Platform Module chip. You don't need to spend a minute for this. Everything just works out of the box.

## Multigame Systems and Lobby

Multigame feature is embedded to the framework software. It is too easy to create multigame solutions and lobby systems of any complexity.

## Powerfull Tools and IDE

Slot Constructor Framework provides complete set of tools for command-line and graphical user interface for developing and deploying games. Visual game editor, advanced debug and profiling tools are also available.

## Hardware Emulation Infrastructure

No need to use gaming board each time you want to test your game. Slot Constructor Framework provides perfect hardware emulation layer for development and testing your games. Every hardware feature is emulated as on a real device. Just use your PC desktop to make the game and then simply put it to the gaming board when it is finished.

## Free Customer Support

Slot Constructor team offers free direct support for developers using the Development Kit. Get access to complete up-to-date framework documentation, examples and tutorials. Demo games source code includes complete videoslot projects with wild-symbols, bonus games, free-games, double-up and setup menu and multiplayer arcade games source code.

## System Requirements

PC running Windows XP / XP Embedded or Linux operating system, CD-ROM drive, USB port

### Key Features

- GA-1000 or GA-2000 gaming board
- Gaming I/O Evaluation board
- Power Supply and necessary wires
- Slot Constructor Framework Software on CD
- Printed user manual and tutorial
- Windows<sup>®</sup> XPe and Linux drivers
- Embedded Linux image
- Demonstration games with source code

### Ideal For

- Videoslot machines development
- Arcade and Amusement machines development
- VLT systems development
- Online-casino project development for PC

## GA-1000

Cost Effective Entry-level x86 Gaming Board with FPGA

### System

CPU: On-board VIA® Nano 1.6GHz, 800MHz FSB  
 Chipset: VIA® CN700  
 System Memory: DDR2 600 DIMM up to 1GB  
 Graphics: Integrated UnichromePro™ 64Mb up to 1024x768  
 Audio: AC 97, onboard 6W x2 stereo power amplifier  
 LAN: 1x RJ45 for 10/100 Base TX Ethernet  
 Storage: Onboard NANDrive 1GB or 2GB  
 Disk Drives: CF type II slot, 44-pin PATA for DOM, 2x SATA connectors

### I/O Connector

2x RS-232 D-SUB 9  
 2x ccTalk pin header  
 2x USB 2.0  
 4x USB 2.0 pin header  
 1x PS/2 keyboard / mouse pin header

### Gaming

RNG: Hardware RNG and AES encryption  
 TPM: Infineon TPM 1.2  
 NVRAM: battery backup CMOS SRAM 512KB  
 Gaming I/O: 24x photo-couple protected input, 26x 500mA current sink output, 6x door input  
 Power input: through JAMMA



### Key Features

- Secure with TPM 1.2, FPGA and auth chip
- Support dual VGA display
- 24x photo-couple protected inputs
- 26x high current sink outputs
- 6x door inputs
- JAMMA 56-pin and 72-pin golden finger

### Ideal For

- Multi-games
- Dual video gaming systems
- Embedded gaming systems

## GA-2000

Intel® Pentium® M / Celeron® M with 915GME chipset

### System

CPU: Intel® Pentium® M / Celeron® M  
 Chipset: Intel® 915GME  
 System Memory: DDR2 SO-DIMM up to 2GB  
 Graphics: Integrated Intel® GMA900 engine up to 1600x1200  
 Audio: AC 97, onboard 15W x2 Class-D stereo power amplifier  
 LAN: 2x RJ45 for 10/100/1000 Base TX Ethernet  
 Storage: Onboard NANDrive 1GB up to 4GB  
 Disk Drives: CF type II slot, E-ATA, 2x SATA connectors

### I/O Connector

3x RS-232 D-SUB 9  
 1x RS-232/422/485 D-SUB 9  
 2x ccTalk pin header  
 4x USB 2.0  
 3x USB 2.0 pin header  
 1x IrDA Tx/Rx pin header  
 1x PS/2 keyboard / mouse pin header  
 1x Parallel Port pin header

### Gaming

TPM: Infineon TPM 1.2  
 NVRAM: battery backup CMOS SRAM 1MB  
 Gaming I/O: 40x photo-couple protected input, 24x 500mA current sink output, 4x 1A current sink output, 4x MOSFET 30V/2A current sink output, 8x 500mA current source output, 16x spared bi-directional I/O  
 Intrusion Detection: by battery powered single chip microcontroller, operates with and without system active, 6x intrusion detection inputs, logs date/time of last 30 events including door status and system reset.



### Key Features

- Secure with TPM 1.2, BootROM, FPGA and auth chip
- Support dual VGA + LVDS display for 2D and 3D graphics
- 96x inputs and outputs
- Battery powered intrusion detection
- On-board battery backup SRAM and NANDrive

### Ideal For

- Video slot machines (Class II / III)
- Video Lottery Terminals
- Amusement game machines