



KEYLOK Fortress LS & RS®

Building a Secure Software Environment



Fortress LS and RS are driverless devices that are identical in function, but different in form.

Overview

- ✓ Extended memory provides additional security and licensing options
- ✓ CodeVault offers enhanced security through execution of application code on the dongle
- ✓ Smart card processor and tamper-proof casing
- ✓ Extensive API library enables rapid & simple implementation

Features

- ✓ Driverless
- ✓ Windows, Mac, Linux (including ARM)
- ✓ Protect multiple applications with one device
- ✓ Use multiple dongles on a single server (Windows)
- ✓ Available for Networks (Windows) to enforce concurrent usage
- ✓ Implement creative licensing models including Expiration Date, Features and Counters
- ✓ Remote Update dongles in the field
- ✓ 5,000 - 55,000 bytes read/write programmable memory
- ✓ CodeVault for enhanced security
- ✓ Smart card processor
- ✓ Physically tamper-proof and durable

OS and Development Tools

Operating Systems	Development Tools
Windows XP (32/64 bit) and newer	Borland C/C++
Linux 2.4 and newer (incl. ARM)	Delphi
MAC OSX	Intel Fortran
UNIX	Java
Ubuntu 13.1 x64 x86 / 12.04 x32 x64	Linux (C, Java)
Fedora V18 x64 x86	Microsoft Access
OpenSUSE 13.1 x32 x64	Microsoft Visual Basic
CentOS 6.5 x32 x64	Microsoft Visual Studio (C/C++/C#)
	PERL
	VB.Net



Technical Specifications

Environment	
Storage Temperature	-40° F to 257°F (-40° C to 125° C)
Operating Temperature	-13° F to 185° F (-25° C to 85° C)
Dimensions / Connectors	
Fortress LS USB	50.5 x 16.8 x 8.2mm Standard USB port
Fortress RS USB	19.3 x 15.0 x 7.9mm Standard USB port
Memory	
Type	Programmable memory
Data retention	At least 10 years
Programming RAM	5,120 bytes = 2560 memory locations 18,944 bytes = 9472 memory locations 50,560 bytes = 25280 memory locations 1 Million Write cycles per location Unlimited Read cycles
Security	
Encryption	Proprietary Encryption Algorithms
Authentication Password	2 ⁹⁶ possibilities
Read Password	2 ¹²⁸ possibilities
Write Password	2 ¹⁷⁶ possibilities
Smartcard	ISO/IEC 15408 Security Evaluation Level EAL 5+ Highest level globally
Power	No more than 15 milliamps