

KEYLOK® Fortress

Building a Secure Software Environment

KEYLOK Fortress offers an enhanced feature set. Fortress offers:

- Driverless installation for rapid, more cost-effective deployment to end users
- Executable code on the dongle
- Tamper-resistant, smart card design and versatility
- Expanded memory with read/write capability
- Multi-level security

KEYLOK's SOLUTION

The KEYLOK Fortress offers application providers the ability to develop more secure enhancements for their customers in a variety of environments. End users can begin using Fortress virtually out of the box!

Functions include:

5,000 Bytes programmable memory (upgradeable to 21,000 and 51,000 bytes)

Executable code on dongle

Memory read

Memory write

Expiration date

Real time clock

Network control

Remote update

Application

Anti-debugger

Counter

Smart card

Physically tamper proof

Driverless

KEYLOK Fortress Models



Fortress LS

Standard USB device (50x18x8mm)



Fortress RS

tiny USB device for laptops (17x12x4mm)

KEYLOK Fortress Technical Specifications

Supported Operating Systems

- Windows XP (32/64 bit), Vista (32/64 bit), Windows 7 (32/64 bit), Windows Server 2003 (32/64 bit), Windows Server 2008 & R2 (32/64 bit)
- NetBIOS-based and TCP/IP networks

Supported Development Tools

- Microsoft Visual Studio (Visual C/C++)
- Microsoft Visual Basic
- VB.Net
- C# (C-Sharp)
- Microsoft Access
- Delphi
- Java
- Microsoft Excel
- Borland C/C++

KEYLOK supports over 50 development tools. For a complete list of these supported tools, please see our website at www.keylok.com

Specifications

Environment	
Storage Temperature	-10° F to 175°F (-23° C to 80° C)
Operating Temperature	32° F to 157° F (+0° C to +70° C)
Dimensions / Connectors	
Fortress LS USB	50x18x8mm Standard USB port
Fortress RS USB	17x12x4mm Standard USB port
Memory	
Type	EEPROM
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