



Verification Utility

User's Guide

Revision 1.0.0

The information in this USER'S GUIDE has been carefully reviewed and is believed to be accurate. The vendor assumes no responsibility for any inaccuracies that may be contained in this document, makes no commitment to update or to keep current the information in this manual, or to notify any person organization of the updates. Please Note: For the most up-to-date version of this manual, please see our web site at www.supermicro.com.

Super Micro Computer, Inc. ("Supermicro") reserves the right to make changes to the product described in this manual at any time and without notice. This product, including software, if any, and documentation may not, in whole or in part, be copied, photocopied, reproduced, translated or reduced to any medium or machine without prior written consent.

DISCLAIMER OF WARRANTY ON SOFTWARE AND MATERIALS. You expressly acknowledge and agree that use of the Software and Materials is at your sole risk. FURTHERMORE, SUPER MICRO COMPUTER INC. DOES NOT WARRANT OR MAKE ANY REPRESENTATIONS REGARDING THE USE OR THE RESULTS OF THE USE OF THE SOFTWARE OR MATERIALS IN TERMS OF THEIR CORRECTNESS, ACCURACY, RELIABILITY, OR OTHERWISE. NO ORAL OR WRITTEN INFORMATION OR ADVICE GIVEN BY SUPER MICRO COMPUTER INC. OR SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE SHALL CREATE A WARRANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY. SHOULD THE SOFTWARE AND/OR MATERIALS PROVE DEFECTIVE, YOU (AND NOT SUPER MICRO COMPUTER INC. OR A SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE) ASSUME THE ENTIRE COST OF ALL NECESSARY SERVICE, REPAIR, OR CORRECTION.

LIMITATION OF LIABILITY. UNDER NO CIRCUMSTANCES INCLUDING NEGLIGENCE, SHALL SUPER MICRO COMPUTER INC. BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES THAT RESULT FROM THE USE OR INABILITY TO USE THE SOFTWARE OR MATERIALS, EVEN IF SUPER MICRO COMPUTER INC. OR A SUPER MICRO COMPUTER INC. AUTHORIZED REPRESENTATIVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any disputes arising between manufacturer and customer shall be governed by the laws of Santa Clara County in the State of California, USA. The State of California, County of Santa Clara shall be the exclusive venue for the resolution of any such disputes. Super Micro's total liability for all claims will not exceed the price paid for the hardware product.

Manual Revision 1.0.0
Release Date: 2021/06/10

Unless you request and receive written permission from Super Micro Computer, Inc., you may not copy any part of this document.

Information in this document is subject to change without notice. Other products and companies referred to herein are trademarks or registered trademarks of their respective companies or mark holders.

Copyright © 2021 by Super Micro Computer, Inc.
All rights reserved.
Printed in the United States of America

Revision History

Data	Rev	Description
2021/06/10	1.0.0	Initial version.

Contents

1	Introduction	5
2	Requirements.....	6
2.1	Prerequisites	6
2.2	Operating Systems	6
3	Verification.....	7
3.1	Verifying Your Files.....	7
3.2	Results	7
	Contacting Supermicro	8

1 Introduction

The Verification Utility helps to verify the authenticity and integrity of files downloaded from Supermicro's official website. To ensure that your system is free from threats, corruption, or malicious attacks, it is recommended that you execute the Verification Utility every time you download a file from our official website.

2 Requirements

2.1 Prerequisites

- The host needs to install **OpenSSL** with version **1.0.2k** or later.
- This package does not contain the OpenSSL installer.
 - For Windows users, download the OpenSSL package from <https://slproweb.com/products/Win32OpenSSL.html>
 - For Linux users, install the package with the **yum** or **apt** command, depending on your system.

2.2 Operating Systems

The Verification Utility is compatible with the following platforms:

- Windows 7 x86, Windows 10 x64
- Windows Server 2016, Windows Server 2019
- CentOS 7.9, CentOS 8.3 x86_64
- Ubuntu 18.04, Ubuntu 20.04 amd64

3 Verification

3.1 Verifying Your Files

1. Download and unzip the Verification Utility.
2. Place the downloaded application and signature file to be verified in the same location.
3. Execute the verification script to begin.

Usage: `./verify.sh <file> <signature_file>`

- Windows: `verify.bat IPMICFG.zip IPMICFG.sig`
- Linux: `./verify.sh IPMICFG.zip IPMICFG.sig`

3.2 Results

After the verification is finished, the result is displayed onscreen.

Messages	Descriptions
Verified OK	The software has been successfully verified.
Verification Failure	The software may have been modified or tampered with.

- Windows

```
C:\Downloads>verify.bat IPMICFG.zip IPMICFG.sig
OpenSSL check result: Verified OK

C:\Downloads>verify.bat IPMICFG_modified.zip IPMICFG.sig
OpenSSL check result: Verification Failure
```

- Linux

```
supermicro@supermicro:~/Downloads$ ./verify.sh IPMICFG.zip IPMICFG.sig
OpenSSL check result: Verified OK
supermicro@supermicro:~/Downloads$ ./verify.sh IPMICFG_modified.zip IPMICFG.sig
OpenSSL check result: Verification Failure
supermicro@supermicro:~/Downloads$
```

If the verification fails, please delete those files immediately then download them again from the official website and repeat the verification process.

Contacting Supermicro

Headquarters

Address: Super Micro Computer, Inc.
980 Rock Ave.
San Jose, CA 95131 U.S.A.
Tel: +1 (408) 503-8000
Fax: +1 (408) 503-8008
Email: marketing@supermicro.com (General Information)
support@supermicro.com (Technical Support)
Web Site: www.supermicro.com

Europe

Address: Super Micro Computer B.V.
Het Sterrenbeeld 28, 5215 ML
's-Hertogenbosch, The Netherlands
Tel: +31 (0) 73-6400390
Fax: +31 (0) 73-6416525
Email: sales@supermicro.nl (General Information)
support@supermicro.nl (Technical Support)
rma@supermicro.nl (Customer Support)

Asia-Pacific

Address: Super Micro Computer, Inc.
3F, No. 150, Jian 1st Rd.
Zhonghe Dist., New Taipei City 235
Taiwan (R.O.C)
Tel: +886-(2) 8226-3990
Fax: +886-(2) 8226-3992
Web Site: www.supermicro.com.tw
Technical Support:
Email: support@supermicro.com.tw
Tel: +886-(2)-8226-3990