

Readme to use Triple DES Encrypted HSPICE model file

It is highly recommended to use HSPICE version 2006.03-SP1 or later for running simulations. In addition, HSPICE requires an “hspice3des” license token. It can be obtained from Synopsys at NO cost to the user.

The HSPICE Model of DS42BR400 is encrypted using “metaencrypt” utility from 2006.03-SP1 version of HSPICE. The encryption option of “192 Bit Random Key Triple DES Encryption” was used. With this encryption option, users do not need any additional keys. The encrypted file can be used in simulations just like any other macro model file.

Due to export compliance regulations in the US, Synopsys does not enable the “3DES” option in HSPICE by default. Furthermore, an “hspice3des” license may be required. There is usually no cost to upgrade to the recent version or to obtain the “hspice3des” license. The license can be obtained by contacting Synopsys directly.

Note: Customers need to meet export compliance guidelines to use HSPICE 3DES. Please check with your synopsys sales representative.

If the customer is using HSPICE 2005.03 or 2005.09 versions, then they need to have HSPICE with 3DES binaries. These binary files are different from the regular HSPICE binary files due to export compliance regulations. Again, an “hspice3des” license may be required. There is NO cost to the user to obtain the required binary or the license.

Note: Files encrypted with this Triple DES algorithm cannot be read by previous releases of HSPICE.