

Using Encrypted Bitstreams

On the ET3000K10 and ET3000K10S

DO NOT USE ENCRYPTION!!!

We can no longer officially support the use of encrypted bitstreams. As of April 2002, Xilinx has released an updated white paper describing the usage of Triple DES encryption. A warning has been issued that the correct keys must be used at all times for configuration of any Virtex-II device using Triple DES encryption. The result of an incorrect key/bitstream pair is that “the device could draw an excessive amount of current” which could “result in the device getting hot and becoming permanently damaged” (WP155 (v1.1) April 2002 page 3).

The current limits of a ET3000K10 board are high enough such that an incorrect key would almost certainly damage the product. We can not be held responsible for any damage caused by use of the encryption feature in the Virtex-II devices. For more detailed information regarding encryption, please contact Emulation Technology at:

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