

thinklogical_® **TLX KVM/Single Video Extender Module** FPGA Program Code Update Procedure

TLX-TMM/TSM-H000D10, -U000D10, -H000D20, -U000D20 RLX-TMM/RSM-H000D10, -U000D10, -H000D20, -U000D20



his program is used to upgrade the FPGA configuration chip of Variou ninklogical products via the USB port. left will appear. nce Download begins, do not interrupt process. not disconnect power or cables during the download process. ou will be alerted when download complete you experience any problems, call Thinklogical at (203) 783 9929 Identify Product Open File × **STEP 9:** You will see a window similar to this,

STEP 7: Once the drivers are instal go to the Start menu and choose: S → All Programs → FPGA Downlo → FPGA Download. The window a Select Identify Product.

STEP 8: If you do no **Q4300RACK_CTRL** (CHS4 Chass **Q2300RACK_CTRL** (CHS2 Cha call Thinklogical for assist Otherwise, select Oper

depending on how many slots in the chassis are occupied (2 in this example). As shown, there are three firmware options for each of the TLX KVM modules. Slot 2 is a TX module and Slot 4 is an RX module. To upgrade the TX, for example, first select: Slot 2-TLX_SINGLE_KVM_TX_FPGA (left).

The procedures are the same whether updating a Tx or Rx module. Screen options will reflect either choice. The Tx module update is shown here.

STEP 10: A dialog box similar to the one above will appear. Navigate to the folder with the unzipped firmware files from Step 3 (Single_TLXKVM_TX_FPGA.1bf). The dialog box will already be populated with the correct file name. Click Open. (This will take approximately 10 minutes.) When complete, the Upgrade window will open.

STEP 11: Select Open File. A window similar Topen to this one will open. Select: Slot2-TLX_SINGLE_KVM_TX_SW_SPI_FLASH.

STEP 12: A window similar to this one will open. Select: Single_TLXKVM_TX_NI0S.1bf and click Open. This will take about 3 minutes. The Update window will open again.

Organize 🏭 WI DA 📾 Sy: SD I LA La La 🖵 Ma 🖵 Pu 🖵 En 🖵 Rel I My

00



×

STEP 13: Select Open File and repeat the steps above to update the RX modules.



STEP 14: Power-cycle the chassis to make the new firmware active. If you have any problems, please call *thinklogical* for help: 203-647-8700



The following procedure documents the process for updating the FPGA Program Code, using a Windowsbased computer, for the following TLX KVM/Single Video Extender Modules in a CHS-2 or CHS-4 Chassis:

Please set "System -> 'Allow Fpga Update' to 'Yes' for this to work searching for Thinklogical FPGA Device Start identify FTDI >>Identify FTDI devices Location 0 csum pass - programmer Q4300RACK_CTRL	About	
	Please set "System -> 'Allow Fpga Up searching for Thinklogical FPGA Dev Start identify FTDI >>Identify FTDI devices Location 0 csum pass - programmer D4300BACK - CTBI	odate' to 'Yes' for this to work ice
		Ο

ivew tolder			8	= • 🔟 🤅
(C:)	*	Name	Date modified	Туре
(D:)		Active	6/14/2016 3:53 PM	File folder
m Reserved (G:)		Archived	5/27/2016 2:18 PM	File folder
250GB (H:)	=	Single_TLXKVM_TX_FPGA.lbf	5/23/2016 4:13 PM	LBF File
: SHARE (I:)			6 (10 /0016 1 16 DM	LOC Cita
CData (J:)		Single_TLXKVM_TX_NIOS.lbf	0/13/2010 1:10 PM	LDF FILE
CData (J:) : (K:) ifacturing (\\fsn01) (M:) c (\\FSN01) (P:) teering (\\FSN01) (Q:)		Single_ILXKVM_IX_NIOS.lbt	0/15/2010 1:10 PM	
CData (J:) (K:) ufacturing (\\fsn01) (M:) c (\\FSN01) (P:) reering (\\FSN01) (Q:) sed (\\FSN01) (R:)		Single_ILXKVM_IX_NIOS.lbt	0/15/2018 116 PM	