

Industrial Bus (Protonode) Firmware Upgrade for Toshiba G8000MM Series

Please follow the following procedure to upgrade the Industrial Bus before connected to G8000MM

- 1) Make sure that the FST Utilities is downloaded on the computer.
 - a. FST can be download from Toshiba Website, <http://www.toshiba.com/ind> -> UPS -> Options/Accessories -> Industrial Bus -> Setup Software -> install.zip or FieldServer website at <http://fieldserver.com/techsupport/utility/utility.php> -> intall.zip
 - b. Extract install.zip and execute FieldServer Utility.
 - c. Follow the instruction to install FST Utilities
 - d. After installation, please continue with following procedure.
- 2) Go to Start Menu --> All Programs --> FieldServer Utilities --> Configuration File Folder
- 3) Extract and save Config file and nlpn.bin file in the Configuration File Folder.
- 4) Double click on Remote User Interface on the Desktop.
(Make sure the Industrial Bus is connected to the network)
- 5) In the main menu, type 'd' for the download menu.
- 6) Type 'd' to download the config file to the Industrial Bus product.
- 7) Type 'o' for other.
- 8) Press any key to continue.
- 9) Type 'l' for local.
- 10) Type 'nlpn.bin' and hit the 'enter' key. (nlpn.bin can be downloaded from setup software folder)
- 11) The remote and local filename should both read 'nlpn.bin'.
- 12) Type 'd' to download the firmware to the Industrial Bus product.
- 13) The download will take 7-8 minutes to complete.
- 14) When downloading is complete, press any key to continue.
- 15) Then hit the 'esc' key to go back to the main menu.
- 16) Type '!' to restart the Industrial Bus product or power cycle the Industrial Bus product.

Manual can be download from

- 1) <http://www.toshiba.com/ind> -> UPS -> Options/Accessories -> Industrial Bus -> ProtoNode_Instruction_Manual_(T17018).pdf
- 2) [http://processor.com/docs/pdf/ProtoNode_Instruction_Manual_\(T17018\).pdf](http://processor.com/docs/pdf/ProtoNode_Instruction_Manual_(T17018).pdf)