

TEI0022 Intel MAX 10 Firmware

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Intel MAX 10 Access

1. Set JTAGEN DIP switch S8D to ON
2. Connect your USB cable to USB connector J13

Available Firmware

- [TEI0022 Intel MAX 10](#) - Firmware description for PCB Revision 02 and newer
 - [Default delivered Firmware](#)
- [TEI0022-REV01 CPLD](#) - Firmware description for PCB Revision 01
 - [Default delivered Firmware](#)

Download

- [TEI0022](#)/[<PCB Revision>/Firmware/](#)
 - Use files from the subfolders of your PCB revision

General Instructions

MAX 10 Firmware Update - General Requirements

- Quartus Prime software, available for free (lite version) on <https://www.intel.de/>
- [Arrow USB Programmer Driver](#)
- Quartus compatible JTAG programmer, for example:
 - TEI0004 - Arrow USB Programmer2 or carrier board with FTDI for JTAG
 - Other JTAG Programmer compatible with Quartus Programmer
- JTAG must be connected to FPGA JTAG
- Correct Firmware (*.pof file) from Download area

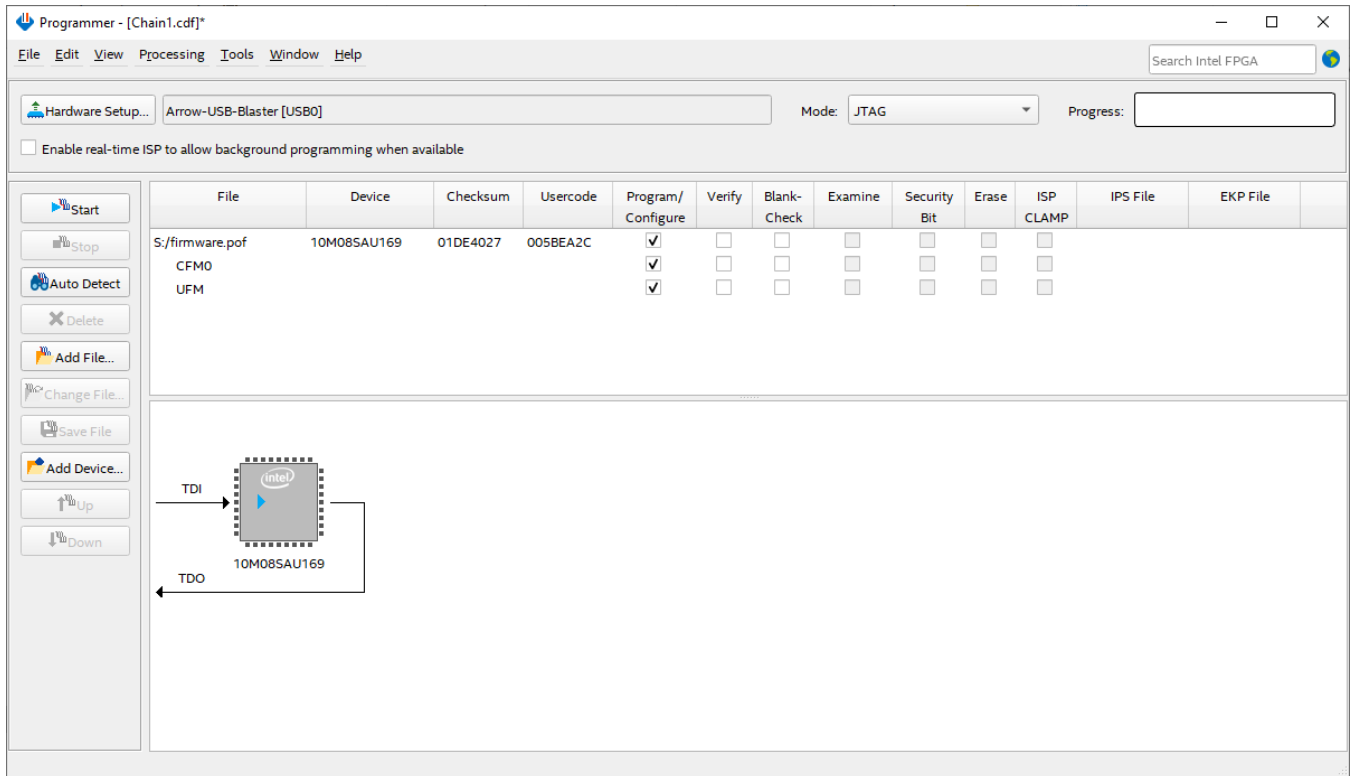
MAX 10 Firmware Update - General Procedure

Important:

- Connect only one JTAG device to host PC.
- Close all other JTAG programs.

Procedure:

1. **Enable FPGA JTAG access** (see JTAG section on Firmware description)
2. Connect JTAG
3. Power on system
4. Open Quartus Prime
5. Open Quartus Programmer from top menu: *Tools Programmer*
6. Select from Programmer top menu: *Edit Hardware Setup*
7. Select via the drop down menu: Arrow-USB-Blaster [USB0] (Installation of [Arrow USB Programmer](#) needed) and close the window
8. Click *Add File...*
9. Select correct Firmware from Download area and press *Open*
10. Click *Start* to program the device



More information are available on the Firmware description.