

# TEI0006 Intel MAX 10 Firmware

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## Intel MAX 10 Access

JTAGEN pin is already pulled up to 3.3V for access to Intel MAX 10.

With carrier board TEIB0006: Set DIP Switch S1-1 to OFF position.

For more Information see Firmware description [TEI0006 Intel MAX 10 JTAG](#).

## Available Firmware

### Description

- [TEI0006 Intel MAX 10](#) - Firmware description for PCB REV04 and newer
- [TEI0006-REV03 Intel MAX 10](#) - Firmware description for PCB REV03

### Download

- [TEI0006](#)/[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

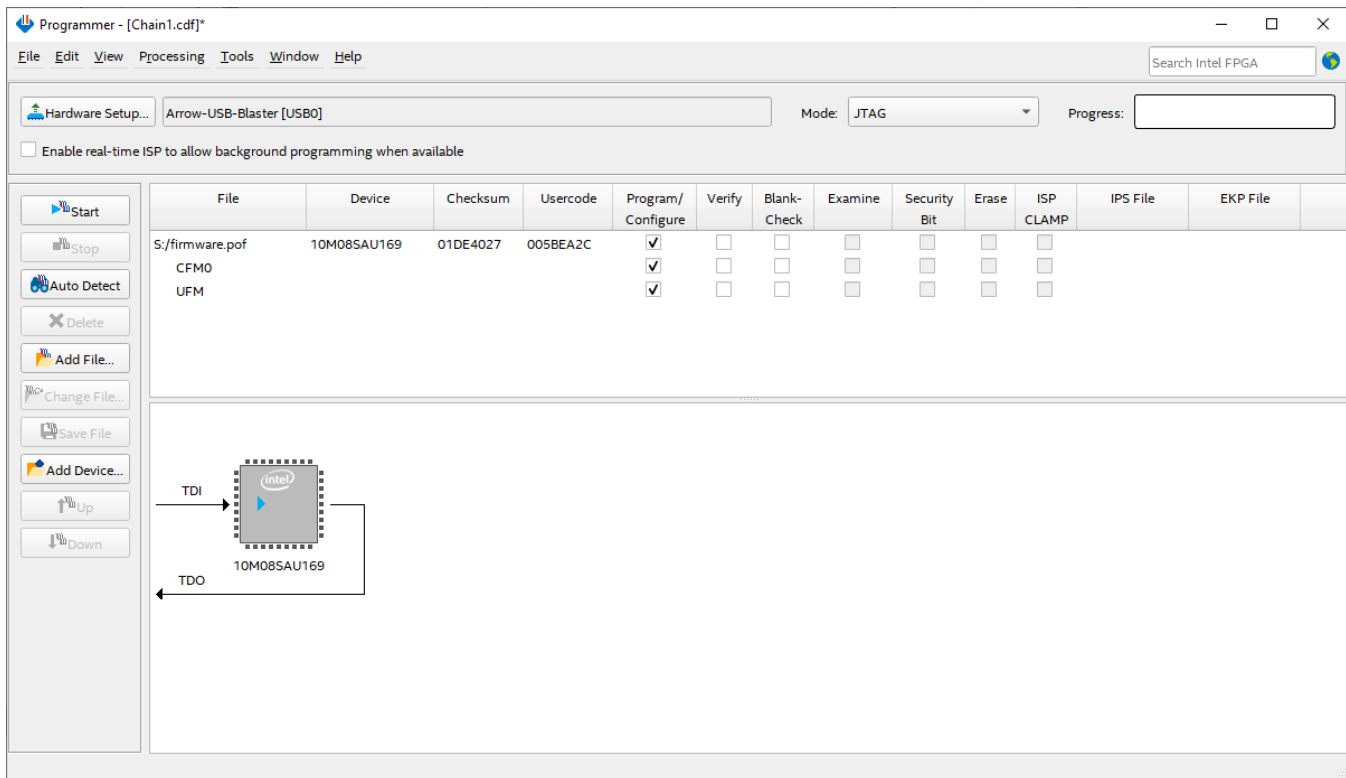
### MAX 10 Firmware Update - General Procedure

**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.