



## GW16042 Operating Instructions

### JTAG-USB Programmer with Linux

- Connect the GW16042 USB Programmer to a PC USB port using the supplied USB cable.
- Connect the GW16042 USB Programmer to a JTAG connector on an Avila or Cambria network processor using the attached ribbon cable.
- Copy the Linux directory from the CDROM into a local directory on your x86 Linux machine. The tool prerequisites include the LIBC library.
- Run the JTAG program with the syntax shown below.  
# ./jtag -p <filename> -u <filename> -v <filename>



Option	Operation
-p	Program Flash device using specified filename
-v	Verify Flash device using specified filename
-u	Upload Flash device using specified filename

Example 1: Program and verify Flash with SG06\_16M.bin image.

```
# ./jtag -p SG06_16M.bin -v SG06_16M.BIN
```

Example 2: Program the Flash with SG06\_16M.bin image.

```
# ./jtag -p SG06_16M.bin
```

Example 3: Verify the Flash matches the SG06\_16M.bin image.

```
# ./jtag -v SG06_16M.bin
```

Example 4: Upload the image in Flash to myimage.bin file.

```
# ./jtag -u myimage.bin
```

### JTAG-USB Programmer with Windows

- Insert CD and follow installation steps to add programmer icon to desktop.
- Connect the GW16042 USB Programmer to a PC USB port using the supplied USB cable.
- Connect the GW16042 USB Programmer to a connector on an Avila or Cambria network processor using the attached ribbon cable.
- Double click on installed icon to open the application.
- Select any combination of program, verify, and upload.
- Select or specify the appropriate file names. BSP Images are installed by default in the C:\images directory.
- Select go. It will take a minute to see any activity. Depending on the image, a Program, Verify, or Upload operation can take up to ten minutes.