

Sources of IP for Projects

Intel/Altera

If you need IP for your project, first check what's provided by Intel (formerly Altera). Most of what you need should be available there.

- The most commonly-used IP is included with Quartus: select Tools / IP Catalog. The [user guide](#) describes the IP cores.
- other IP can be downloaded from the Intel web site; you can [search for IP](#) and view the [documentation](#).

Note that some of the IP is free and some is free only for evaluation purposes. The latter will run for a limited number of clock cycles or as long as a development system is attached to the FPGA. Some of the IP, particularly the high-speed interfaces such as HDMI, will only work with higher-end FPGAs or require external interface ICs (a PHY or SERDES).

Open Source

A large variety of IP is available from the [OpenCores](#) web site. You can also search on [GitHub](#) for code in Verilog or VHDL. This IP is free but quality varies greatly. Some cores may be more useful as examples or as a starting point for your own design.