

Overview

The E+MAX software is a complete, free software package that allows you to design for and program the industry's most popular product-term-based programmable logic devices (PLDs): the Altera® MAX® 7000, MAX 7000S, MAX 7000A, MAX 7000AE, MAX 7000B, and MAX 3000A devices. The E+MAX software is based on the industry-standard MAX+PLUS® II software and includes both VHDL and Verilog HDL design entry and synthesis. [Table 1](#) lists the E+MAX features.

Table 1. E+MAX Software Features	
Features	Description
Device Support	<ul style="list-style-type: none"> ■ MAX 7000 device family (including MAX 7000A, MAX 7000AE, MAX 7000B, MAX 7000E, and MAX 7000S devices) ■ MAX 3000A device family
Design Entry	<ul style="list-style-type: none"> ■ Text-based design entry using VHDL, Verilog HDL, or the Altera Hardware Description Language (AHDL) ■ Schematic design entry ■ Interfaces to popular EDA tools ■ Floorplan editing ■ Hierarchical design management ■ Library of parameterized modules (LPM)
Design Compilation	<ul style="list-style-type: none"> ■ Logic synthesis and automatic fitting ■ Automatic error location in design files
Design Verification	<ul style="list-style-type: none"> ■ Timing analysis ■ Functional simulation ■ Timing simulation ■ Creates output files for use with third-party simulators
Programming	<ul style="list-style-type: none"> ■ Device programming (1)
Other features	<ul style="list-style-type: none"> ■ OpenCore™ evaluation for Altera MegaCore™ functions and Altera Megafunction Partners Program (AMPPSM) functions ■ On-line help

Note:

- (1) You can use the Altera Stand-Alone Programmer (ASAP2) software, which is a stand-alone version of the MAX+PLUS II Programmer application, to program, verify, examine, and test Altera devices without having the full version of the MAX+PLUS II software. You can download ASAP2 from the Altera web site at <http://www.altera.com>.

System Requirements

The E+MAX software runs on Windows 95/98 or Windows NT 4.0 on stand-alone PCs or PCs in a TCP/IP networked environment. Refer to the MAX+PLUS II [read.me](#) file for additional system requirements.



101 Innovation Drive
San Jose, CA 95134
(408) 544-7000
<http://www.altera.com>
Applications Hotline:
(800) 800-EPLD
Customer Marketing:
(408) 544-7104
Literature Services:
(888) 3-ALTERA
lit_req@altera.com

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