

## Device and Package Support

- XC1700 Serial PROMs
- XC9500 CPLDs
- Supports all Xilinx package types

## Programmer Accessories

- Universal power supply
- Power cord options for US/Asia, UK, European and Japanese standards.
- Serial download cable and adapters
- Users manual
- Programmer interface software
- Vacuum handling tool

## Interface Software and System Requirements

The programmer software operates on a variety of different platforms. **Table 1** indicates the minimum system requirements for each. In all cases, a CD-ROM drive and an RS-232 serial port are required. The DOS driver software is also available on 3.5" disk. A mouse is recommended.

## Programmer Functional Specifications

- Device programming, erasing and verification
- CPLD security control
- PROM reset polarity control
- Checksum calculation and comparison
- Blank check and signature ID tests
- Master device upload
- File transfer and comparison
- Self check and auto calibration

## Programming Socket Adapters

- Supports all package styles: PLCC, PQFP, TQFP, VQFP, HQFP, BGA, SOIC, VOIC, PGA and DIP

## Electrical Requirements and Physical Specifications

- Operating voltage: 100-250 VAC, 50-60 Hz
- Power consumption: 1.0 Amp
- Dimensions: 6" x 7.75" x 2"
- Weight: 1 lb.
- Safety standards: approved by UL, CSA, TUV

## New Programming Algorithm Support

The new programmer algorithms are available via the Xilinx WEB site, and FTP site:

- To access programmer software from the Xilinx WEB site, go to [www.xilinx.com](http://www.xilinx.com) and enter the "Answer" or "Technical Support" section. Select the "file download" area. Within "Software Help", select "Programmer".
- To access programmer software from the Xilinx FTP site, use an FTP client to access [ftp.xilinx.com](ftp://ftp.xilinx.com). Login as "Anonymous". Enter the /pub/swhelp/programmer directory.
- To view all programmer related files from the Xilinx bulletin board (BBS), select "File Manager" and "Software Help", then select "Programmer Support."

**Table 1: Interface Software and System Requirements**

Requirements	DOS	Windows 3.1	Windows 95	Windows NT	Sun OS	Solaris	HP9000/700	IBM RS6000
Memory Needed	500KB	4MB	8MB	16MB	—	—	—	—
Hard Disk Space	2MB	2MB	2MB	2MB	6MB	6MB	6MB	6MB
System Software	3.3 or greater	3.1.x.	4.00 or greater	3.1 or greater	SunOS 4.1.3 or greater	SunOS 5.3 or greater, (Solaris 2.3 or higher)	HP-UX A09.05 or greater	AIX 3.2.5 or greater

## Adapter Selection Table

Product Family	Package Types	Adapter P/N
XC7300 <sup>1</sup> /XC9500	PLCC/CLCC 44	HW-133-PC44
XC7300 <sup>1</sup>	PQFP 44	HW-133-PQ44
XC7300 <sup>1</sup> /XC9500	VQFP 44	HW-133-VQ44
XC7300 <sup>1</sup>	PLCC/CLCC 68	HW-133-PC68
XC7300 <sup>1</sup> /XC9500	PLCC/CLCC 84	HW-133-PC84
XC7300 <sup>1</sup> /XC9500	PQFP 100	HW-133-PQ100
XC7300 <sup>1</sup> /XC9500	TQFP 100	HW-133-TQ100
XC7300 <sup>1</sup>	PGA 144	HW-133-PG144
XC7300 <sup>1, 2</sup>	PQFP 160	HW-133-PQ160
CPLD (XC7300 <sup>1</sup> /XC9500) <sup>2</sup>	PQFP 160	HW-133-PQ160
XC7300 <sup>1</sup>	BGA 225	HW-133-BG225
XC9500	HQFP 208	HW-133-HQ208
XC9500	BGA 352	HW-133-BG352
XC1700	DIP 8	HW-137-DIP8
XC1700	PLCC20/SO8/VO8	HW-137-PC20/SO8
XC1700	S020	HW-137-S020
Calibration Adapter		HW-130-CAL

1) XC7300 devices are not recommended for new designs.

2) Xilinx manufactures two versions of the HW-133-PQ160 adapter. The correct adapter for programming XC9500 devices has "CPLD" written on the front label, at the top left side, under the Xilinx logo.