

August 6, 1996 (Version 1.1)

Programs All Xilinx Nonvolatile Devices

- XC1700 Serial PROMs
- XC7000 CPLDs
- XC9500 CPLDs
- Supports all Xilinx package types

Programmer Accessories

- Universal international power supply
- Power cord options for US/Asia, UK, EU and KK standards.
- Serial download cable and adapters
- Users manual

Interface Software and System Requirements

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

Programmer Functional Specifications

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

Programming Socket Adapters

- Supports all package styles: PLCC, PQFP, BGA, SOIC, VOIC, PGA and DIP
- CPLD adapters for the HW-120 may be used on the HW-130

Electrical Requirements and Physical Specifications

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

New Programming Algorithm Support

- Available via the Xilinx BBS and e-mail.
- Send e-mail to xdocs@Xilinx.com with "search hw130" in the subject field.
- For the bulletin board, refer to page 6-2 in the data book. Type "F" and select directory #3. Select either Programming Support or type "Zhw130" to view all HW-130 related files.

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 | 540KB | 4MB | 8MB | 16MB | — | — | — | — |
| Hard Disk Space | 2MB | 2MB | 2MB | 2MB | 1MB | 1MB | 1MB | 1MB |
| System Software | 3.3 or greater | 3.1 or greater | 4.00 | 3.1 or greater | SunOS 4.1.3 or greater, X11R5 with Motif 1.2 or greater | SunOS 5.4 or greater, X11R5 with Motif 1.2 or greater | HP-UX A09.05 or greater, X11R5 with Motif 1.2 or greater | AIX 3.2 or greater, X11R5 with Motif 1.2 or greater |

Adapter Selector Table

| Product Family | Package Types | Adapter P/N |
|-----------------------|----------------------|--------------------|
| XC7200A | PLCC/CLCC 44 | HW-132-PC44 |
| XC7200A | PLCC/CLCC 68 | HW-132-PC68 |
| XC7200A | PLCC/CLCC 84 | HW-132-PC84 |
| XC7200A | PGA 84 | HW-132-PG84 |
| XC7300 | PLCC/CLCC 44 | HW-133-PC44 |
| XC7300 | PQFP 44 | HW-133-PQ44 |
| XC7300 | VQFP 44 | HW-133-VQ44 |
| XC7300 | PLCC/CLCC 68 | HW-133-PC68 |
| XC7300 | PLCC/CLCC 84 | HW-133-PC84 |
| XC7300 | PQFP 100 | HW-133-PQ100 |
| XC7300 | PGA 144 | HW-133-PG144 |
| XC7300 | PQFP 160 | HW-133-PQ160 |
| XC7300 | BGA 225 | HW-133-BG225 |
| | | |
| XC1700 | DIP 8 | HW-137-DIP8 |
| XC1700 | PLCC20/SO8/VO8 | HW-137-PC20/SO8 |
| | | |
| Calibration Adapter | | HW-130-CAL |