
PLD Development Software Tools Overview

Atmel tools serve the needs of beginning users as well as more experienced users. Based on the background of the user, we can make recommendations on the most cost-effective solution (see Table 1). If you have any questions regarding which package is best suited to a particular set of needs, please contact the Atmel PLD Technical Support Hotline at (408) 436-4333 or e-mail to pld@atmel.com.

This document outlines general system configurations required to use the various systems, details each package including ordering information, and includes a section with suggested systems for various types of users.

Atmel offers several levels of systems to meet the various needs of our customers. The systems are described on the following pages, along with a brief description of their function. For further information, contact your local Atmel sales representative, or the Atmel PLD Hotline at (408) 436-4333, or PLD e-mail at pld@atmel.com.



CMOS PLD Development Software Support Overview

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**Table 1.** PLD Software System Recommendations

User	Experience	Recommended System
New PLD User	No prior PLD experience. Wants basic support for PAL-type and V-Series devices and is willing to do manual pin assignment.	ATDS1000PC (Atmel-WINCUPPL)
PAL-type (SPLD) Device User	Knows ABEL, CUPL, or PALASM, and is familiar with 22V10 design. Wants to move up in density, and wants automatic fitting to reduce need to learn detailed internals of each device.	ATDS1500PC (ProChip Designer™)
Complex PLD User Microcontroller Designer or TTL Designer	Uses complex PLDs from Altera, XILINX, or Lattice. Wants state-of-the-art tools for Atmel's CPLDs to take advantage of their speed and density. Wants schematic capture, VHDL entry support and device simulation.	ATDS1500PC (ProChip Designer™)

Product	Description
ATDS1000PC	Atmel-WINCUPPL™
ATDS1500PC	ProChip Designer™

Table 2. PLD System Configuration Requirements

	ATDS1000PC (Atmel-WINCUPPL)	ATDS1500PC (ProChip Designer)
Platform	Pentium®	Pentium II®
Operating System	Windows 95®, Windows 98®	Windows 95/98/NT®(1)
Display Adaptor	CGA, EGA, VGA or SVGA	VGA/SVGA
System Memory	8 MB	64 MB
Hard Disk	Space Recommended 10 MB	60 MB
Mouse	Not required	2/3-button mouse

Notes: 1. ProChip Designer Trial Edition has known problems with WinME® and Windows 2000® operating systems. Although we have not verified operation of ProChip Designer permanent license on WinME and Windows 2000, some users have reported successful use.



Atmel Headquarters

Corporate Headquarters

2325 Orchard Parkway
San Jose, CA 95131
TEL (408) 441-0311
FAX (408) 487-2600

Europe

Atmel SarL
Route des Arsenaux 41
Casa Postale 80
CH-1705 Fribourg
Switzerland
TEL (41) 26-426-5555
FAX (41) 26-426-5500

Asia

Atmel Asia, Ltd.
Room 1219
Chinachem Golden Plaza
77 Mody Road Tsimhatsui
East Kowloon
Hong Kong
TEL (852) 2721-9778
FAX (852) 2722-1369

Japan

Atmel Japan K.K.
9F, Tonetsu Shinkawa Bldg.
1-24-8 Shinkawa
Chuo-ku, Tokyo 104-0033
Japan
TEL (81) 3-3523-3551
FAX (81) 3-3523-7581

Atmel Product Operations

Atmel Colorado Springs

1150 E. Cheyenne Mtn. Blvd.
Colorado Springs, CO 80906
TEL (719) 576-3300
FAX (719) 540-1759

Atmel Grenoble

Avenue de Rochepleine
BP 123
38521 Saint-Egreve Cedex, France
TEL (33) 4-7658-3000
FAX (33) 4-7658-3480

Atmel Heilbronn

Theresienstrasse 2
POB 3535
D-74025 Heilbronn, Germany
TEL (49) 71 31 67 25 94
FAX (49) 71 31 67 24 23

Atmel Nantes

La Chantrerie
BP 70602
44306 Nantes Cedex 3, France
TEL (33) 0 2 40 18 18 18
FAX (33) 0 2 40 18 19 60

Atmel Rousset

Zone Industrielle
13106 Rousset Cedex, France
TEL (33) 4-4253-6000
FAX (33) 4-4253-6001

Atmel Smart Card ICs

Scottish Enterprise Technology Park
East Kilbride, Scotland G75 0QR
TEL (44) 1355-357-000
FAX (44) 1355-242-743

e-mail

literature@atmel.com

Web Site

<http://www.atmel.com>

BBS

1-(408) 436-4309

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