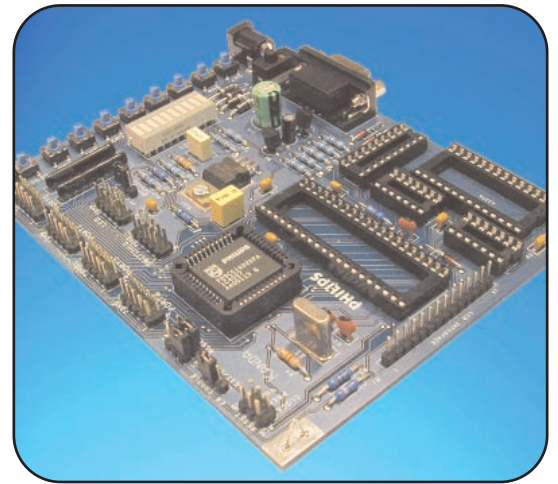




# PHILIPS®

## 51 Plus Starter Kit



Device Support

12-clock Default  
P89C51RB2,  
P89C51RC2,  
P89C51RD2

6-clock Default  
P89C51RB2H,  
P89C51RC2H,  
P89C51RD2H

P89C660,  
P89C662,  
P89C664,  
P89C668

XA-G49

Operating Systems

Win 95/98/NT  
2000/ME/XP

This is a complete Starter Kit for Philips Flash 51 based devices, including the XA extended 51 series. It gives a complete hardware and software solution for projects and evaluation with accessories and full software packages available.

### Starter Kit Package

- Development Board with sample device and PC cable
- IDE/GUI
- Application Builder
- Integrated Assemblers and Downloader
- WINISP and Flash Magic Programming Tools
- C Compiler Demos (4K) including Simulator
- Code Examples and Device Datasheets

### Hardware Details

- Serial Expansion Cable for PC connection
- 40-Pin DIP and 44-Pin PLCC sockets
- External RAM circuitry
- LCD Interface
- 3.3V and 5V operation
- Switches and 10-way Bar LED
- Ports brought out to headers for easy access
- 2 Jumper Leads for moving LED/Switches to different Ports
- Jumpers for Reset Polarity, External RAM operation and External Clock

### Power Supply requirements

The kit uses a standard Barrel connector - 2.5mm Internal/3.5mm External diameters. Polarity (centre +ve or -ve) does not matter. It needs 9-15V AC or DC, at 300 mA. If user circuitry is added, then current requirement may be higher.

### Software Package

Kanda Integrated Development Environment Complete IDE with

- Application Builder - code generation wizards for peripheral setup
- Project Support
- Editor with all features, Print/Print Preview, Syntax Highlighting and Label List Code Navigation Tool
- Built in Assemblers - 4K limited Raisonance 8051 Assembler and 4K limited Raisonance XA Assembler - with error highlighting in source code
- Integrated Downloader for rapid development
- Tools Menu for simple addition of other Tools e.g. Metalink unlimited 8051 assembler

## C Compiler Demos

2 C Compiler Demos, from Raisonance and SPJ. Raisonance C Compiler for XA and 8051, gets you started (4K code limited).

SPJ C Compiler for 8051 only, limited C output but includes Simulator for Assembler. Full versions are available from Kanda.

## Programming Tools

The kit also contains WINISP and Flash Magic Programming Tools which give greater flexibility than the Downloader included in the IDE - Editable buffer, selective erase etc.

A range of device datasheets and code examples are also included in the package.

## Accessories

We can supply a range of accessories for use with this kit, including

Description	Part Number
Power Supply - 3 versions	PSUSTK-UK, PSUSTK-EU, PSUSTK-US
Spare Jumper Leads, 10-way	STKP51-JP
RAM Chip set	STKP51-RAM
Intelligent 16 x 2 LCD Module	570910-PM
Spare Serial Extension Cable	SERLEAD

## Assemblers and Compilers

We also sell full versions of Raisonance Assemblers for 8051 and XA that include Simulators and Raisonance and SPJ C Compilers

Description	Part Number
Raisonance 8051 Compiler	R-C51
Raisonance XA Compiler	R-CXA
Raisonance 8051 and XA Compiler	R-C51XA
SPJ C Compiler for 8051 - DOS	SPSLDC51
SPJ C Compiler for 8051	SPIDE51C
Raisonance 8051 Assembler/Linker/Simulator	R-MA51
Raisonance XA Assembler/Linker/Simulator	R- MAXA
Raisonance 8051/XA Assembler/Linker/ Simulator	R- MA51XA

There are three different versions of this kit, with different device samples included:

Description	Part Number
Philips Starter Kit with Rx2 Device	STKP51-RD
Philips Starter Kit with 66x Device	STKP51-66
Philips Starter Kit with XA-49 Device	STKP51-XA

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## Order Codes

STKP51-RD  
STKP51-66  
STKP51-XA

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