CYPRESS
Connecting From Last Mile to First Mile.®

PERSONAL | ACCESS | ENTERPRISE | METRO | CO

■ HOME   ■ PRODUCTS   ■ DESIGN RESOURCES   ■ APPLICATIONS   ■ SUPPORT

Take our surve

Feb. 27, 2003   ABOUT US   PRESS   INVESTORS   FROM THE CEO   CONTACT US   My Cypress   Log

SEARCH [   ] IN Entire Site ▾

? search help - advanced search

Support: Developer Kits: CY3654 + CY3654-PO2

DEVELOPER KIT: CY3654 + CY3654-PO2

Families Supported:
USB Low-Speed Peripherals

Devices Supported:
CY7C63413-PC
CY7C63413-PVC
CY7C63513-PVC
CY7C63613-SC

Product Description:

The **CY3654 + CY3654-PO2** Base Board & Personality Board is a development environment in support of a variety of applications such as keyboards and other low speed devices requiring more I/O. The **CY3654 + CY3654-PO2** is designed for use with Cypress's CY7C634XX, CY7C635XX, and CY7C636XX M8 based parts.

CY3654 Base-Board
The CY3654 is the common platform board for a variety of our M8 Series products. To emulate a specific USB device within a family, the appropriate personality board needs to be purchased (CY3654-Pxx). Each USB family will have a unique personality board. The platform board (CY3654) will only work when supplemented by one of the family specific personality boards.

The CY3654 has been designed using RAM-based FPGA s, so that Netlist updates can be downloaded by the user. The development kits for Cypress low-speed USB microcontrollers use real-time hardware emulation of the actual devices to assist in firmware development. The kits consist of a USB development board, USB monitor/debugger, assembler, example application source code, cables, and documentation.

Cypress offers high-level language programming support for all the M8 series products with the CY366xR100 C-Compiler. This optimizing compiler allows developers to write code in a higher-level language and convert it to executable code. The CY366xR100 tool offers a linker, a built-in macro cross-assembler, an integrated development environment, and an editor. This optimizing development tool provides many benefits over the traditional assembly programming language including minimizing development time of firmware code for complex embedded systems, enabling the developer to generate very efficient, compact code, and providing for easy firmware maintenance.

Personality Boards:
Cypress offers a variety of Personality Boards that accompany the CY3654 Base Board for use in specific applications. The follow is a list of current offerings:

CY3654-P02 -- Personality Board for CY7C634XX, CY7C635XX, and CY7C636XX. *(apps: USB keyboards and other low speed devices requiring more I/O)*

CY3654-P03 -- Personality Board for CY7C64X13 (full-speed), CY7C65X13, and CY7C66X13 (low-speed). *(apps: full speed peripherals, hubs, and hub plus integrated peripheral applications)*

*C*Y3654-P05 -- Personality Board for CY7C632XXA, and CY7C637XX. *(apps: mice or other low speed USB peripherals)*

Note: A Complete Development Kit consists of the Platform Board plus a Personality Board. Other Personality Boards can be used with the same CY3654 Platform Board. **Please specify both the base-board: CY3654, and**

SUPPORT

Tools & Software

Developer Kits
Evaluation Boards
Models
Reference Designs
Software

Document Library

Application Notes
Datasheets
Packaging
Quality
Technical Articles

Tech Support

KnowledgeBase
Create a Case

To receive free product updates by email and Data Book CD-ROMs as they are issued:
>> Sign Up Here!
or Call: 1-800-858-1810
and Press 2.

Personality board: CY3654-PO2, when ordering this particular kit.

NEW! Order your Development Kit from our online store.

Documentation

Title	PDF File	Last Modified
CYDB Reference Guide	[PDF] 10577KB	Jan. 21, 2002
CYDB Users Guide	[PDF] 19169KB	Jan. 21, 2002
CYASM Assember User's Guide	[PDF] 265KB	Jan. 21, 2002

Software

Title	Zip Download	Last Modified
CY Debugger for CY3654 V1.4.3	2170KB	Jan. 21, 2002
CY3654 Code Examples	1360KB	Jan. 21, 2002
CYASM Assembler Software V1.96	277KB	Jan. 21, 2002
Evaluation Version of Bytecraft C-Compiler	1848KB	Jan. 21, 2002

Hardware

CY3654 Development Kit includes a CY3654 Platform board, an RS-232 Cable, and a Power Supply. Personality Kits include a CY3654Px00 Personality Board, a CY3654Dx00 Applications Board, Target µC Adapters, a target Flex Cable, and application Cables.

NEW! Order your Development Kit from our online store.

HOME | PRODUCTS | DESIGN RESOURCES | APPLICATIONS | SUPPORT
ABOUT US | PRESS | INVESTORS | FROM THE CEO | JOBS
CONTACT US | PRIVACY | TERMS & CONDITIONS