



EMBEDDED CONTROLLER BOARD

Supported Devices

Renesas H8S/2117R
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ITE 8512

Supported Eval Boards

Intel Crown Beach
.. next generation boards

Advanced Eltan Features

Flexible power sequencing
FWH emulation
Easy customization

MultiKey Features

Keyboard Matrix controller
External PS/2 Keyboard
External PS/2 Mouse

MultiKey Advanced

Fully ACPI Compliant
-EC interface
-Event Notification
-SMBus Host Controller
Power Management
Battery Management
PS/2 Hotplug
PS/2 Port swap
HotKey Control
PS/2 Mouse emulation



- Phoenix MultiKey embedded controller firmware included
- Power sequencing matching the Intel reference boards
- SPI flash support : emulates a FWH so a FWH is not required for a Poulsbo system



Eltan created various embedded controller boards. These boards contain Phoenix MultiKey firmware, power sequencing and can emulate a FWH with the connected SPI flash.

They can be used to quickly evaluate Phoenix MultiKey in an Intel evaluation board and as a development board for Embedded Controller software.

The boards are connected to the evaluation board using the 60 pin connector provided. They can be used as a drop in replacement for the standard Embedded Controller mounted on the motherboard.

The firmware can be customized to match the customer's requirement. The schematics can be made available and can be used in a customer design to reduce the risk and shorten the development cycle.

We work closely with ITE and Renesas to provide a solid solution for x86 board manufacturers. Please contact ITE or Renesas for more information on their devices.

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