

# CPU emulation adapter ICE-ADP SH7080 Series



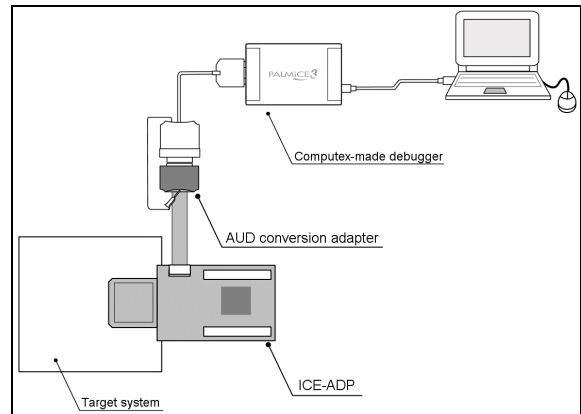
ICE-ADP SH7080 Series (Hereafter "ICE-ADP") is a CPU emulation adapter specifically for SuperH family SH7080 Series. The ICE-ADP is implemented with EVA chip dedicated for debugging, and it is to be used in combination with Computex-made debugger<sup>\*1</sup>. With dedicated EVA chip installed, it allows debugging not constrained by the target as in the case of the traditional CPU in-circuit emulator. The ICE-ADP will not require connector I/F dedicated for debugging as it connects to CPU socket of the target. If used in combination with Computex-made debugger<sup>\*1</sup>, under user-friendly CSIDE environment, it supports high-level language debugging of a range of C languages, and also can be used for the debugging of a range of RTOSs.

\*1 : See "Applicable products" column in the table below.

## Features

- Fully supports debugging functionality thanks to EVA chip employed
- Does not occupy user I/O pins (All open to users)
- Fully supports debugging functionality with EVA chip employed
- Supports all of SH7080 series CPUs
- Supports maximum operating frequency
- Easy to handle with compliance to CSIDE
- Supports a range of RTOSs (with optional CSIDE)

## Connection structure

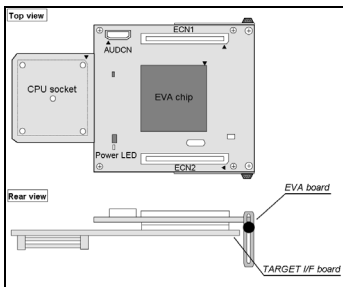


## Main Specifications

Supported CPUs	SH7083F/SH7084F/SH7085F/SH7086F/SH7146F/SH7149F/SH7124F/SH7125F (SH-2)
Applicable products *1	PALMiCE3 SH(AUD360 model) / PALMiCE2 SH(AUD360 model)
Power	Powered by the target system. Current consumption: Approx. 170mA (MAX.)
Other specifications	Compliant with the debugger used.

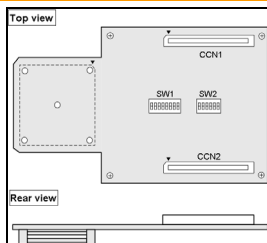
\*1 : ICE-ADP is what to be used together with "Applicable products" stated in the table. Mind the product, model, etc. you use with.

## Standard Set



Standard Set product components	ICE-ADP / AUD conversion adapter / Screw kit for mounting CPU socket / Manual	
Supported CPUs	Product name	Contents
SH7083F	IAS-SH7083-100P5	ICE Adapter SH7083 Standard Set
SH7084F	IAS-SH7084-112P65	ICE Adapter SH7084 Standard Set
SH7085F	IAS-SH7085-144P5	ICE Adapter SH7085 Standard Set
SH7086F	IAS-SH7086-176P5	ICE Adapter SH7086 Standard Set
SH7146F	IAS-SH7146-080P65	ICE Adapter SH7146 Standard Set
SH7149F	IAS-SH7149-100P5	ICE Adapter SH7149 Standard Set
SH7124F	IAS-SH7124-048P65	ICE Adapter SH7124 Standard Set
SH7125F	IAS-SH7125-064P5	ICE Adapter SH7125 Standard Set

## Optional boards



Supported CPUs	Product name	Contents
SH7083F	IA-SH7083-TCN100-5	TARGET I/F board specifically for SH7083
SH7084F	IA-SH7084-TCN112-65	TARGET I/F board specifically for SH7084
SH7085F	IA-SH7085-TCN144-5	TARGET I/F board specifically for SH7085
SH7086F	IA-SH7086-TCN176-5	TARGET I/F board specifically for SH7086
SH7146F	IA-SH7146-TCN080-65	TARGET I/F board specifically for SH7146
SH7149F	IA-SH7149-TCN100-5	TARGET I/F board specifically for SH7149
SH7124F	IA-SH7124-TCN048-65	TARGET I/F board specifically for SH7124
SH7125F	IA-SH7125-TCN064-5	TARGET I/F board specifically for SH7125



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\* SuperH is a registered trademark or trademark of Renesas Electronics Corporation in Japan, the USA, and other countries.

\* Other names of the products, CPUs, and companies mentioned in this document are business names, trade names, trademarks, or registered trademarks of their respective owners.