## **JTAG emulator** PALMiCE3 V850

Gil	DE	ver.6
Contraction for Windows Vistare	Conjutble with	Windows 8 Compatible



PALMiCE3 V850 is a JTAG emulator that incorporates on-chip debugging function in Renesas Electronics-made V850. It supports USB2.0 (High-speed) as the host interface, and the Vbus which requires no power supply. Furthermore, PALMiCE3 V850 has a palm-sized, light and compact body, providing excellent portability to support you with debugging. As for the debugger, it surely incorporates CSIDE, which provides a user-friendly

debugging environment. CSIDE supports not only high-level language debugging of a range of C languages but also a wide range of debugging environments by optional debug libraries.

Support for SuperH family and H8S/H8SX family are also available with optional CSIDEs.

- Supports V850
- Supports USB2.0(High-speed), allowing high-speed processing
- A palm-sized, compact body
- Requires no power supply with Vbus support
- **Real-time watcher feature (Optional)**
- Simulated I/O feature
- Allows access to memory and I/O during break
- Supports debugging on on-chip/external flash memories

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Main	Speci	fications		
	Supporting model		HUDI141(JTAG) model	
Suppo	Supported CPUs *1		V850E2/MN4, V850E2/ML4	
JTAG clock			Can be set freely in 1MHz increments between 1MHz and 25MHz.	
	Vo	tage	1.65V - 5.5V (Follows target)	
Target I	+ I/E \/o	tage measurement	Measures by sampling and shows the results with accuracy of 50mV	
	U/F VU	lage measurement	and precision showing 2 decimal places.	
	Co	nnector	14-pin MIL connector	
Register, memory, I/O operation		v I/O operation	Supports referencing/editing of register and downloading to memory during break.	
		<u> </u>	It supports referencing/editing of memory and I/O even during execution of the user program.	
Fla	sh On	-chip flash memory:	In addition to downloading, it also supports software break settings and ordinary memory rewriting feature.	
men	VI	External flash memory:	Supports software break settings and ordinary memory rewriting feature in addition to downloading.	
supp	ססת	,	Also new device can be added by the user with definition file format.	
Softw	Software break feature		Supports up to 256 points with instruction replacement method.	
CPU break feature		re	4 points (Can be specified as Before instruction execution/Data access conditions. Besides, the sequential	
			setting can be specified.)	
		neasurement	Measures execution time of the user program (64-bit counter, measurement unit=50nS)	
CPU performance measurement Simulated I/O feature			Allows measurement of various cycles and number of accesses to measure and improve the performance.	
Simul	ated I/O fe	ature	Allows to execute standard input and output function on the target against the host.	
Real-time watcher (Optional)		er (Optional)	Allows to capture the data continuously at regular cycles without a temporary break during user program	
		,		
Debugger included as standard			CSIDE for PALMICE3 V850-E	
Power specification			DC+5V 250mA (Vbus support for USB)	
ö	Outside dimensions		95mm(W) ×70mm (D) ×21mm (H)	
General ecifications	Host I/F	List seventes	USB mini-B connector	
ific	environment	Host computer	The computers running on the supported OSs	
ыğ			Required at the time of installation	
g				
		OS	Windows Vista 32-bit version / Windows 7 32-bit version, 64-bit version / Windows 8 32-bit version, 64-bit version	
Product composition contents		tion contents	PALMiCE3 HUDI141 model main unit / H-UDI cable (specifically for PALMiCE3) /	
			conversion adapter (Specifically for PALMiCE3 V850) / 2m USB cable / dedicated debugger (CD-ROM)	
Support System			Available	
		idual CPU support, look	it up in our website at http://www.computex.co.jp/asp/cpu/cpu.asp or contact our Sales Department.	

## Supported language Supported C compiler

Renesas CX compiler

Optional CSIDE		
Product name	Description	
CSIDE for PALMiCE3 SH-E	Optional CSIDE for debugging of SuperH family CPUs.	
CSIDE for PALMiCE3 H8S-E	Optional CSIDE for debugging of H8S/H8SX family CPUs.	

As for the individual CPU support, look it up in our website at http://www.computex.co.jp/asp/cpu/cpu.asp or contact our Sales Department. : Together with optional CSIDE, you will need to purchase the respective conversion adapter, etc. that will go in combination with PALMiCE3 main unit.

For details, contact our Sales Department.



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<sup>5</sup> SuperH is a registered trademark or trademark of Renesas Electronics Corporation in Japan, the USA, and other countries.

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