

YH641 advicePLUS for SH7751/7751R

Specifications

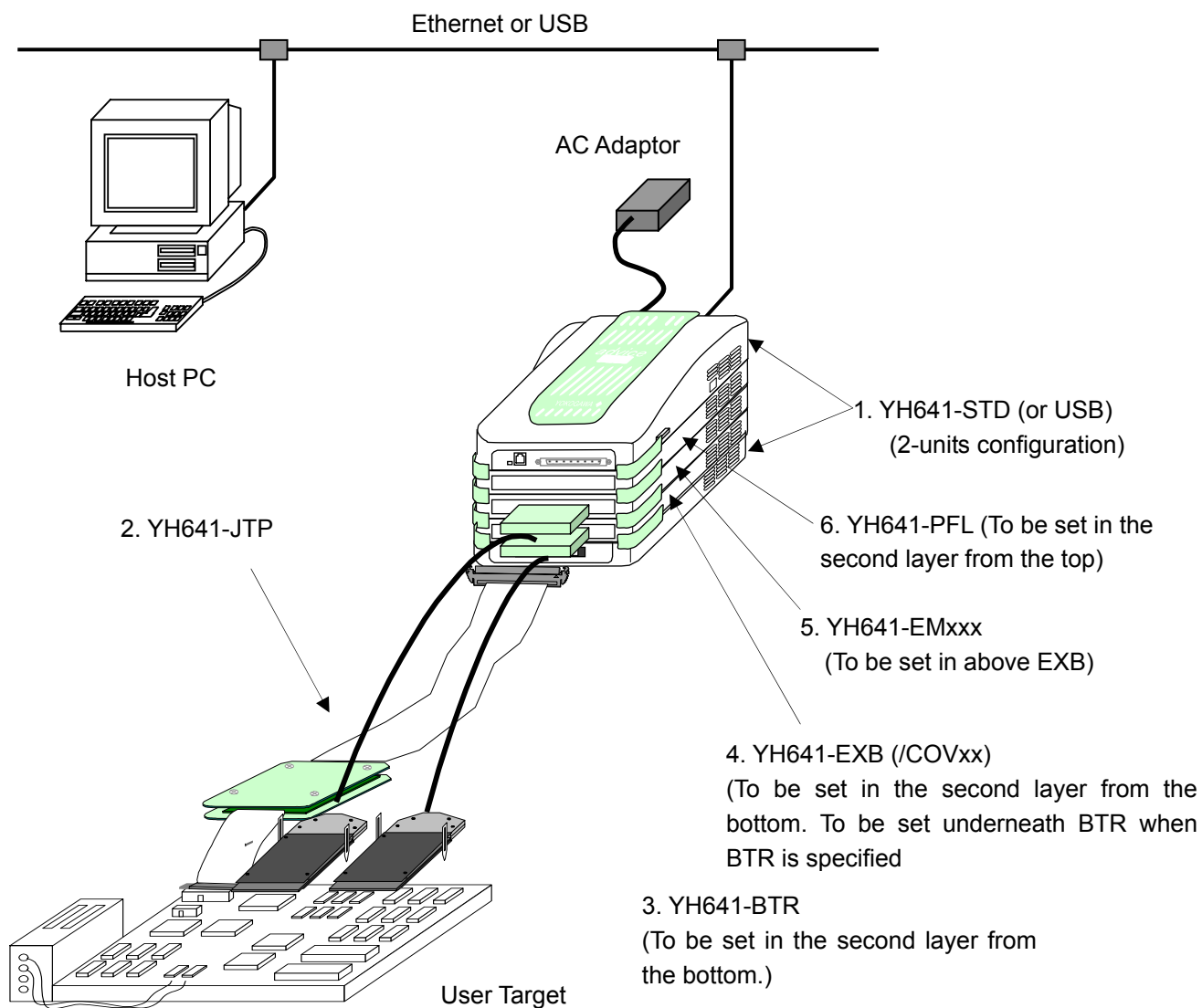
Common Part	
Target Processor	SH7751/7751R
Operation Voltage	VDDQ: 3.3V ± 5% (3.145V to 3.465V)
Operating Clock	Internal: 240MHz External: 120MHz
Memory Space	All memory space is released to a user's system.
Interrupts	All interrupts are released to a user's system.
Endian	Little Endian/Big Endian are supported
Target System I/F	<ul style="list-style-type: none"> • HUDI Interface (14pin, 2.54mm pitch) Socket on target: 7614-6002FL (Sumitomo 3M) • HUDI/AUD Interface (36pin) Socket on target: DX10M-36S or DX10GM-36SE (Hirose) • External Bus Trace Interface (140pin, 0.5mm pitch) Socket on target: DG01FS-140-4110 (KEL) • External Bus Emulation Interface (140pin, 0.5mm pitch) This interface is connected on the probe of the external Bus Trace
Software Break	Point break: 1024 points by replacing instructions with software break Countable break: 1 point
Hardware Break	Temporary break: 1 point OCD break: 3 points (Cache, User ROM, Data Access Break) Others: Forced break, Step
OCD Break	3 points maximum (Cache/User ROM:3 points, Data Access Break: 1 point)
Flash Programming	Flash memory programmable with the standard commands (block erasing/programming) of JEDEC (compliant) & INTEL (equivalent) methods is supported.

Other Specifications	
Host PC	PC/AT Compatible, Microsoft Windows 98SE, Me, XP, NT4.0, 2000 10BASE-T/100BASE-TX, USB1.1
Debugger	microVIEW-PLUS (DH641)
Compiler	Hitachi C/C++ compiler Green Hills C/C++ compiler

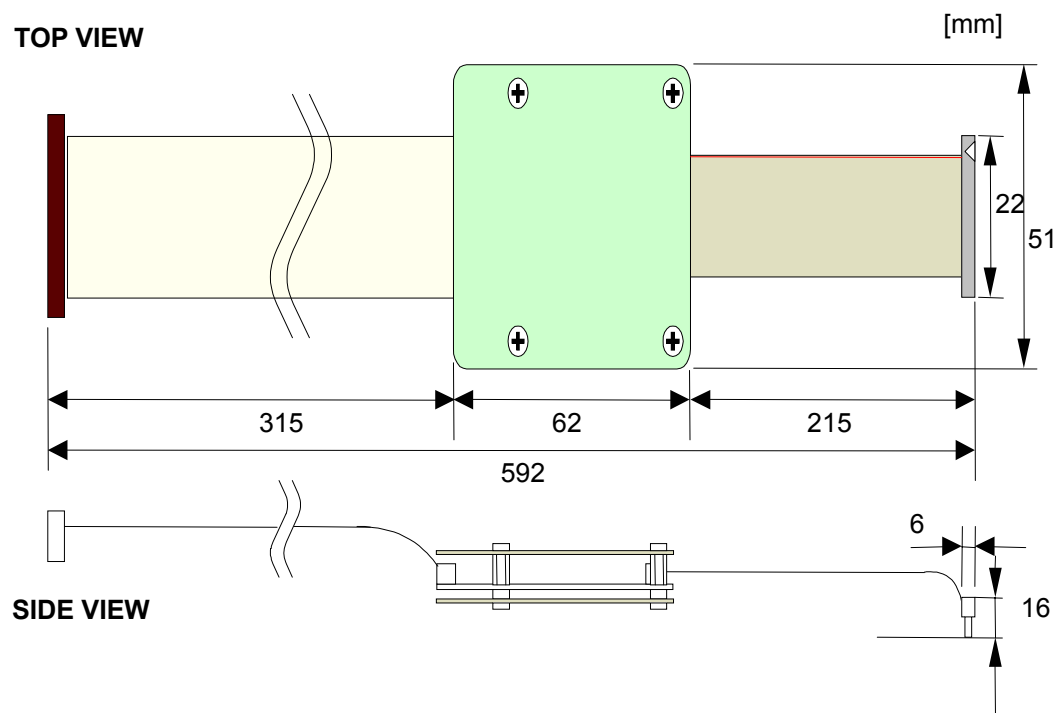
System Configuration

Model		Description
1	YH641-STD	Main Module for SH7751 series, Ethernet interface, AC adaptor
	YH641-USB	Main Module for SH7751 series, USB interface and cable, AC adaptor
2	YH641-JTP	HUDI-Probe (14-pin Interface)
3	YH641-BTR	AUD Trace Module, HUDI/AUD Probe (36-pin Interface)
4	YH641-EXB	External Bus Trace Module, External Bus Capture Cable (3.3V)
	YH641-EXB/COV04	External Bus Trace Module, External Bus Capture Cable (3.3V), 4MB Coverage
	YH641-EMB/COV08	External Bus Trace Module, External Bus Capture Cable (3.3V), 8MB Coverage
5	YH641-EM008	External Bus Emulation Module for SH7751 series (8MB)
	YH641-EM016	External Bus Emulation Module for SH7751 series (16MB)
6	YH641-PFL	Profile Module
7	DH641	microVIEW-PLUS for SH7751 series

System Connection Example



Probe



H-UDI Pin Assignment

Pin No.	Signal Name	Pin No.	Signal Name
1	TCK	8	GND
2	/TRST	9	GND
3	TDO	10	GND
4	/ASEBRK/BRKACK or /ASEBKAK	11	TPOW (3.3V)
5	TMS	12	GND
6	TDI	13	GND
7	/RESET	14	GND

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