OPENice_A1000 Product Guide Book

OPENice-A1000 is a high performance
JTAG emulator for ARM
core-based(ARM7/9/10/11/Xscale/Cortex) products.

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YIC SYSTEM

INTRODUCTION



OPENice_A1000

- High performance JTAG emulator for ARM core.

- OPENice-A1000 is a high performance JTAG emulator for ARM core-based (ARM7/9/10/11/Xscale/Cortex) products.

OVERVIEW

OPENice-A1000 is a high performance JTAG emulator for ARM core-based(ARM7/9/10/11/Xscale/Cortex) products

OPENice provides convenient and powerful debug environment for ARM processor.
OPENice can download images from the host PC to the target system at high speed by USB.
OPENice's firmware can be upgraded by software, Romup.exe, without changing any hardware.

OPENice provides a powerful debugger, OPENice-EDS, which has much enhanced functions so that user's can debug codes more conveniently.

SPECIFICATION

Feature

· Supports Variety ARM Cores
- ARM7 (ARM7TDMI, ARM7TDMI-S , ARM720T, ARM740T, ARM7EJ-S)
- ARM9 (ARM9TDMI, ARM920T, ARM922T , ARM940T, ARM926EJ-S, ARM946E-S, ARM966E-S, ARM968E-S)
- ARM11(ARM1136, ARM1156, ARM1176)
- Cortex-A15, Cortex-A15MPCore, Cortex-A9MPCore, Cortex-A9, Cortex-A8, Cortex-A7, Cortex-A5
- Cortex-R4
- Cortex-M4, Cortex-M3, Cortex-M0
- SecurCore (SC100, SC200, SC300)
- XScale

· Supports Multi-core / Multi-processor
- Multi-core&Multi-processor support sithout core-module change

· Super High speed downloading(USB 2.0)
- High-speed image download on the target system through USB 2.0

· Convenient and easy flash programming
- Supporting various drivers of flash memories for debugging

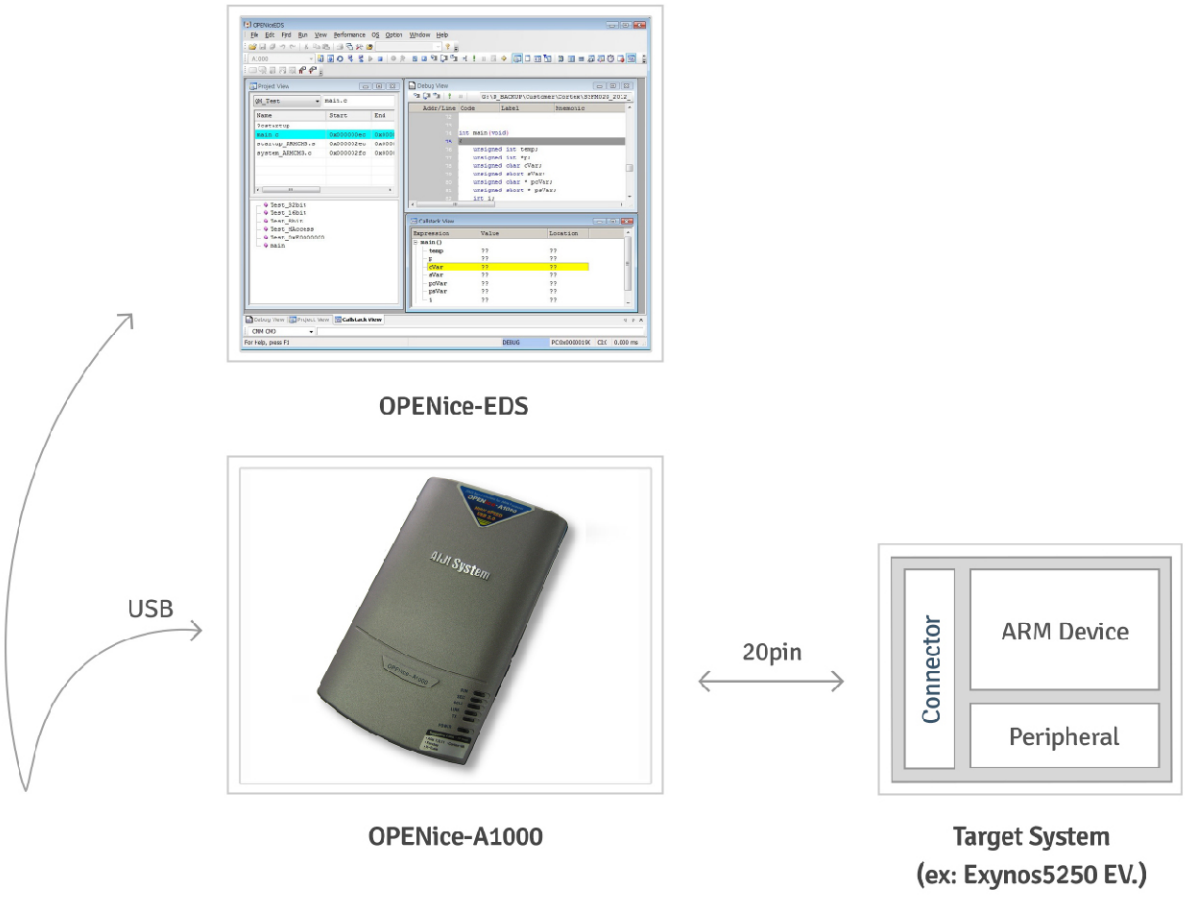
· Provides debugger software "OPENice-EDS"
- OPENice-EDS, specialized debugging S/W for OPENice series, is provided with OPENice-A1000

· Supports USB power
- Two choices for power supply, USB or adapter

· Compact Size
- Very convenient to carry due to small size : 78mm(W)×130mm(L)×20mm(H)

· Technical support
- Offers customer-tailored service and A/S. Always ready to respond for customer's requests.

Diagram



Support Device

ARM Core

ARM7TDMI, ARM7TDMI-S, ARM720T,ARM740T, ARM9TDMI, ARM920T, ARM922T, ARM925EJ-S, ARM940T, ARM946E-S, ARM966E-S, ARM1020, ARM1022, ARM1136F-AS, ARM1176JZ(F)-S, Cortex-M0, Cortex-M3, Cortex-M4, Cortex-A5, Cortex-A8, Cortex-A9, Cortex-A9MP, Cortex-A15, Cortex-A15MP

Devices

Basically, OPENice-A1000 supports all devices based on above ARM Core.
Note that following list is just an example of supported device.

Samsung

S3C3xxx series, S3C4xxx series, S3C2xxx series, S3C5410, Scorpio, S5N8946/47, S5PC110, S5PV210, S5PC210, S5PV310, Exynos3110, Exynos4210, Exynos4410, Exynos4412, Exynos5250

TI
OMAP-DM270, OMAP730, OMAP1510, OMAP1610, OMAP1611, OMAP1612, OMAP1710, OMAP710, OMAP732, OMAP2410/2420, Calypso

Intel
PXA210, PXA250, PXA255, PXA27x series, IXP425, PXA300, PXA310, PXA320

Cirrus Logic
CS2xxx series, EP73xxx series, EP93xxx series

Motorola
i.MX1, i.MX21, i.MXL , I.MX27, I.MX31, i.MX50

Philips
LPC2xxx series, VMS7xxx series, VWS2xxx series

ST
STR710, STR711, STR712, STR720, STW2400

Alcatel
MTCxxx, MTKxxx series

Analog Device
AD20MSP430, AD6522, AD6526

ATMEL
AT91Cxxx series, EP75xxx series, EP76xxx series, AT78xxx series

Globespan Virata
HELIUM 100, HELIUM 200, HELIUM 210

Hynix
HMS30C7201, HMS30C7202, HMS30C7110, HMS39C7092

Micronas
CDC3xxx series, CEA3207A

NEC
UPD65977

NetSilicon
NET+15, NET+20, NET+40, NET+50, NS7520, NS9750, NS9775

OKI
ML67xxx series

Panasonic
MN1A7T0200

Sharp
LH75xxx series, LH79xxx series, LH7Axxx series

Triscend
TA7S05, TA7S12, TA7S20, TA7S32

Zarlink
MT1020A, MT92101

PACKAGE

Parts	Description	Num.
OPENice-A1000	Hardware Debugger for ARM	1
OPENice-EDS	C Source Level Debugger (download)	1
Power Adapter	5V DC	1
Cable	USB Cable	1
	40pin Cable	1
Adapter	JTAG PROBE Adapter	1

Accessory


USB Cable


40pin Cable


JTAG PROBE


SWD PROBE (Option)


Power Adapter

PURCHASE

sales@yicsystem.com

A/S information

Warranty Period

Emulator / Board

- Emulator : 12 Months
- Board : 6 Months
- Within in the warranty period : Free of charge
- Later than the warranty period : provide a quotation for the repair cost

YIC System shall not be liable in respect of defects in the product arising from (a) Customer error or neglect in its use or storage of the product (b) Any modification of the product made by anyone other than YIC System (c) The use of the product is combination with other equipment, software or technology not purchased or licensed from YIC System, provided that such defects would not have occurred but for such combination, modification or enhancement.

Accordingly, if upon customer's return of faulty product, it is clear that the fault has arisen out of one or more of the above set of circumstances, then YIC System reserves the rights to change the full price of any replacement unit.

A/S Procedure

Before returning the product to YIC System, the customer should contact the YIC System and provide information as below.

a) A fault description
b) The product serial number

A/S information

If you have any inquiries during using our product, please contact us by e-mail or telephone.

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