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ATATMEL-ICE-ADPT

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Atmel-ICE ★

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Atmel-ICE is a powerful development tool for debugging and programming ARM® Cortex®-M based SAM and AVR microcontrollers with on-chip debug capability.

Atmel-ICE supports:

Programming and on-chip debugging of all AVR 32-bit MCUs on both JTAG and aWire interfaces

Programming and on-chip debugging of all AVR XMEGA family devices on both JTAG and PDI 2-wire interfaces

JTAG and SPI programming and debugging of all AVR 8-bit MCUs with OCD support on either JTAG or debugWIRE interfaces

Programming and debugging of all SAM ARM Cortex-M based MCUs on both SWD and JTAG interfaces

Programming of all tinyAVR 8-bit MCUs with support for the TPI interface

For more information, please visit the **Online User Guide**.

Atmel-ICE kit contents:

ATATMEL-ICE: Encapsulated main unit, USB cable, 10-lead squid cable, flat cable (10-pin 50mil connector and 6-pin 100mil connector) and adapter board (20-pin 100mil connector, 6-pin 50mil connector and 10-pin 100mil connector)

ATATMEL-ICE-BASIC: Encapsulated main unit, USB cable and flat cable (10-pin 50mil connector and 6-pin 100mil connector)

ATATMEL-ICE-PCBA: PCB assembly of main unit only, no cables

ATATMEL-ICE-ADPT: 10-lead squid cable, flat cable (10-pin 50mil connector and 6-pin 100mil connector) and adapter board (20-pin 100mil connector, 6-pin 50mil connector and 10-pin 100mil connector)

ATATMEL-ICE-CABLE: Flat cable (10-pin 50mil connector and 6-pin 100mil connector)

Features | Package Contents | Related Tools

- **Supports JTAG, SWD, PDI, TPI, aWire, SPI, debugWIRE and UPDI interfaces**
- **Full source-level debugging in Atmel Studio**
- **Supports all built-in hardware breakpoints in the target microcontroller (number depends on the OCD module in the target)**
- **Up to 128 software breakpoints**
- **1.62 to 5.5V target operation**
- **USB powered**
- **Provides both ARM Cortex Debug Connector (10-pin) pin-out and AVR JTAG connector pin-out**

Documentation & Software

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Documents	Last Updated	Size	
★ Data Gateway Interface User's Guide	10/18/2017 1:40:34 AM	224KB	
★ DGIlib dll	9/13/2017 8:54:12 PM	704KB	
★ Atmel-ICE User Guide	3/2/2017 11:36:10 AM	2MB	
★ DGILib User Guide	3/1/2017 2:26:43 PM	262KB	