The ARM® DSTREAM High-Performance Debug and Trace unit enables powerful software debug and optimization on any ARM processor-based hardware target.

With features such as accelerated hardware bring-up for many development platforms and open debug interface for use with third-party and custom tools, DSTREAM paired with DS-5 Development Studio is a comprehensive solution for development and debug of complex SoCs based on an ARM Core.

DSTREAM ships with powerful software utilities to assist with SoC bring-up and hardware validation.

A low-level RDDI connection to DSTREAM can be used to gain access to the JTAG scan-chains inside the target device. This enables the unit to be used for simple tasks such as production testing.

### Features

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<th>Debug &amp; Trace</th>
<th>DSTREAM</th>
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<tr>
<td>Serial Wire Debug (SWD)</td>
<td>✓</td>
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<tr>
<td>JTAG</td>
<td>✓</td>
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<tr>
<td>CoreSight</td>
<td>✓</td>
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### Supported ARM architecture

- ARM v4 to v8

### Interface Vref

1.0V - 5.0V (configurable by target)

### Target Connector

- 14-pin & 20-pin
- 14-pin
- 10-pin & 20-pin
- 38-pin
- 34-pin
- 60-pin

### Order Code

- DSTREAM DEBUG & TRACE UNIT: DSTRM-KT-01B1A
- DSTREAM High-Speed Serial Trace: DSTRM-KT-HSSTA
- DSTREAM and HSSTP Probe Bundle: BUNDS-KT-DHS5S

### Debug and Trace

- 4GB trace buffer for extended trace capture
- Parallel Trace up to 9.6 Gbps
- Serial Trace up to 20 Gbps with HSST- Probe
- Download speed up to 2.5MB per second
- JTAG clock up to 60 MHZ
- Flexible architecture to support 3rd party

### Trace visualization

Trace visualization displays instructions executed, or a representation of memory accesses, branch instructions and other instructions....