

ARM® DSTREAM

Debug and Trace Adapter



<http://ds.arm.com/ds-5/debug/dstream/>

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 RDI 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	DSTREAM
Debug & Trace <ul style="list-style-type: none">Serial Wire Debug (SWD)JTAGCoreSight	✓ ✓ ✓
Supported ARM architecture <ul style="list-style-type: none">ARM v4 to v8	✓
Interface Vref	1,0V - 5,0V (configurable by target)
Target Connector <ul style="list-style-type: none">14-pin & 20-pin14-pin10-pin & 20-pin38-pin34-pin60-pin	ARM JTAG TI OMAP CoreSight MICTOR MIPI MIPI via adaptor
Order Code <ul style="list-style-type: none">DSTREAM DEBUG & TRACE UNITDSTREAM High-Speed Serial TraceDSTREAM and HSSTP Probe Bundle	DSTRM-KT-0181A DSTRM-KT-HSSTA BUNDS-KT-DSHSS

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

Related Products

- ARM® DS-5 Development Studio
- ARM® DS-5 Development Studio Vendor Edition

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