

Development Tools for MSP430

1. In-Circuit Emulators

Hitex offers in-circuit emulators for all budgets and all requirements. For a complete system a base system DProbe430-BASE, an derivative board DProbe430-DPxxx and sometimes an adaptation cable is necessary. The convenient user interface HiTOP is included.

Derivative Boards, Adaptation Cables and Adapters

To change to a new derivative only the adaptation or also the derivative board has to be exchanged with low costs.

Emulator Options

To add high end features to the DProbe430 an additional DBox16 can be connected. As connecting interface the DBox16-IF430 is necessary.

DBox16 high end expansion.

DBox16-IF430 connecting interface.

The standard connection to the host PC is RS232. To speed up the communication with the DBox a faster interface option is recommended:

PARAPCI An optional PCI interface card with bi-directional parallel cable (2.5m) to the emulator.

USB2PARA An optional USB interface box to connect the emulator to an USB port of the PC.

To feed up to 8 external signals to the emulator for tracing and triggering an optional logic probe can be delivered (only with DBox).

PR16 Optional logic probe.

Compilers

C430IAR C Development Environment for MSP430 from IAR.

C430IAR-BL C Development Environment for MSP430 from IAR with 4k code restriction.

3. Additional SoftwareTools

DA-C The Design Assistant in C for a better overview over applications.

Tessy The invaluable automatic test tool.

Derivative	Package	Base System	Derivative Board Cable	Adaptation	Replacement Socket
MSP430x110	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430x110	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430x1101	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430x1101	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430x111	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430x111	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430x1111	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430x1111	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430F112	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430F112	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430F121	SOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-SOP20
MSP430F121	SSOP20	DProbe430-BASE	DProbe430-DP110		ZS-DIP20-PWP20
MSP430F122	PW28 (TSSOP)	DProbe430-BASE	DProbe430-DP140	AKD43012X	ZS430PW28
MSP430F122	DW28 (SOP28)	DProbe430-BASE	DProbe430-DP140	AKD43012X	ZS430DW28
MSP430F123	PW28 (TSSOP)	DProbe430-BASE	DProbe430-DP140	AKD43012X	ZS430PW28
MSP430F123	DW28 (SOP28)	DProbe430-BASE	DProbe430-DP140	AKD43012X	ZS430DW28
MSP430x133	PQFP64	DProbe430-BASE	DProbe430-DP140	AKD43014xPM	ZS43PM64REP
MSP430x135	PQFP64	DProbe430-BASE	DProbe430-DP140	AKD43014xPM	ZS43PM64REP
MSP430x147	PQFP64	DProbe430-BASE	DProbe430-DP140	AKD43014xPM	ZS43PM64REP
MSP430x148	PQFP64	DProbe430-BASE	DProbe430-DP140	AKD43014xPM	ZS43PM64REP
MSP430x149	PQFP64	DProbe430-BASE	DProbe430-DP140	AKD43014xPM	ZS43PM64REP
MSP430x311	SSOP48	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL48REP
MSP430x311	SSOP48	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL48REP
MSP430x312	SSOP56	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL56REP
MSP430x312	SSOP56	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL56REP
MSP430x313	SSOP56	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL56REP
MSP430x313	SSOP56	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL56REP
MSP430x314	SSOP56	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL56REP
MSP430x314	SSOP56	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL56REP
MSP430x314	SSOP56	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL56REP
MSP430x314	SSOP56	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL56REP
MSP430x315	SSOP48	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL48REP
MSP430x315	SSOP48	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL48REP
MSP430x315	SSOP56	DProbe430-BASE	DProbe430-DP110	AKD43031xDL	ZS430DL56REP
MSP430x315	SSOP56	DProbe430-BASE	DProbe430-DP300	AKD43031xDL	ZS430DL56REP
MSP430x323	PQFP64	DProbe430-BASE	DProbe430-DP300	AKD43032xPG	ZS430PG64REP
MSP430x323	PQFP64	DProbe430-BASE	DProbe430-DP300	AKD43032xPM	ZS43PM64REP
MSP430x325	PQFP64	DProbe430-BASE	DProbe430-DP300	AKD43032xPG	AKD43032xPG
MSP430x325	PQFP64	DProbe430-BASE	DProbe430-DP300	AKD43032xPM	ZS43PM64REP
MSP430x325	PLCC64	DProbe430-BASE	DProbe430-DP300	AKD430325LCC	
MSP430x336	PQFP100	DProbe430-BASE	DProbe430-DP300	AKD43033xPQ	SOMQ100-Y
MSP430x337	PQFP100	DProbe430-BASE	DProbe430-DP300	AKD43033xPQ	SOMQ100-Y