

# ST7

## Supplement to the Development Tools for ST7 brochure

### 1. In-Circuit Emulators

Hitex offers in-circuit emulators for all budgets and all requirements. For a complete system a base system AX or MX, an adaptation probe AP and an adapter is necessary. The convenient user interface HiTOP is included.

#### Base systems

Depending on the requirements there are the entry level base systems MX-ST7-L and MX-ST7 and the systems with more features up to high-end AX-ST7-A, AX-ST7-B and AX-ST7-C.

#### Adaptation probes and adapters

Depending on the used derivative and package there are different adaptation probes. To change to a new derivative only the adapter or also the adaptation probe can be exchanged with low costs. Please refer to the list of supported derivatives.

#### Emulator options

The standard connection to the host PC is RS232. To speed up the communication 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. Maximum two of these probes can be connected to the in-Circuit emulator:

**PR16** Optional logic probe.

### 2. RTOS Support

When working with OSEK real time operating systems, the optional RTOS Support package is recommended: **HIROSS-OSEK** HiTOP add-on to support all OSEK compliant real time operating systems.

### 3. Compilers

**COSCAST7** C Development Environment for ST7 from Cosmic.

**HICST7 C** Development Environment for ST7 from Metrowerks.

### 4. Additional Tools

Additional proved and recommended Tools for Embedding Software Quality: **DA-C** The Design Assistant in C for a better overview over applications **Tessy** The invaluable automatic test tool.

Derivative	Package	Adaptation Cable	Adapter	Replacement Socket
ST72124J	TQFP44	AP72511	ZS72-TQ44-REP	SOMQ44-80-PGA
ST72124J	TQFP44	AP72511	ZS72-TQ44-Y	
ST72124J	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72124J	TQFP64	AP72511	ZS72-PQ64-YL	
ST72311R	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72311R	TQFP64	AP72511	ZS72-PQ64-YL	
ST72314J/N	TQFP44	AP72511	ZS72-TQ44-REP	SOMQ44-80-PGA
ST72314J/N	TQFP44	AP72511	ZS72-TQ44-Y	
ST72314J/N	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72314J/N	TQFP64	AP72511	ZS72-PQ64-YL	
ST72321J	TQFP44	AP72511	ZS72-TQ44-REP	SOMQ44-80-PGA
ST72321J	TQFP44	AP72511	ZS72-TQ44-Y	
ST72324	TQFP44	AP72521	ZS72-TQ44-REP	SOMQ44-80-PGA
ST72324	TQFP44	AP72521	ZS72-TQ44-Y	
ST72324	TQFP32	AP72521	ZS72-TQ32-REP	SOMQ32REP
ST72334J/N	TQFP44	AP72511	ZS72-TQ44-REP	SOMQ44-80-PGA
ST72334J/N	TQFP44	AP72511	ZS72-TQ44-Y	
ST72334J/N	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72334J/N	TQFP64	AP72511	ZS72-PQ64-YL	
ST72361	TQFP32	AP72561	ZS72561-32-REP	
ST72511R	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72511R	TQFP64	AP72511	ZS72-PQ64-YL	
ST72512R	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72512R	TQFP64	AP72511	ZS72-PQ64-YL	
ST72521M/R/AR	TQFP64	AP72521	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72521M/R/AR	TQFP64	AP72521	ZS72-PQ64-YL	
ST72521M/R/AR	TQFP80	AP72521-80	ZS72521-80-REP	SOMQ80-065-REP
ST72521M/R/AR	TQFP80	AP72521-80	ZS72521-80-Y	SOMQ80-065-Y
ST72532R	TQFP64	AP72511	ZS72-TQ64-REP	SOMQ64-80-PGA
ST72532R	TQFP64	AP72511	ZS72-PQ64-YL	
ST72561	TQFP64	AP72561	ZS72561-64-REP	
ST72561	TQFP44	AP72561	ZS72561-44-REP	
ST72561	TQFP32	AP72561	ZS72561-32-REP	

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