

Renesas Starter Kits

Renesas Technology Europe

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What is the „Renesas Starter Kit“ (RSK)?



- Hardware and software platform for Renesas general purpose microcontroller devices
- Easy to use
- Low cost
- Worldwide standardized
- Easy Upscaling/Downscaling
- Enhanceable by Application Boards
- Ideal for Universities and Students



RSK Facts (as of 7/2007)

- Program started in 2005
- More than 11.500 RSKs shipped, currently 1.000 per month
- More than 24 different device platforms available

M16C/26A	H8/38347,327	SH7211
R8C/2B,2D	M32C/84-88	SH7201
R8C/26-29	M16C/6NK	SH7124
R8C/24,25	M16C/62P,30P	H8SX/1664
R8C/20-23	M16C/28,29	H8SX/1582
R8C/1A,1B	SH7203/63	H8S/2215R
R8C/10-13	SH7086	H8/38099

- Supports devices from all general purpose device families:



Standard Example: RSKH8SX1544



Hardware:

- Generic Header
- E8(A) / E10A-USB Debugger
- RS232 I/F
- LCD I/F
- LEDs, Switches

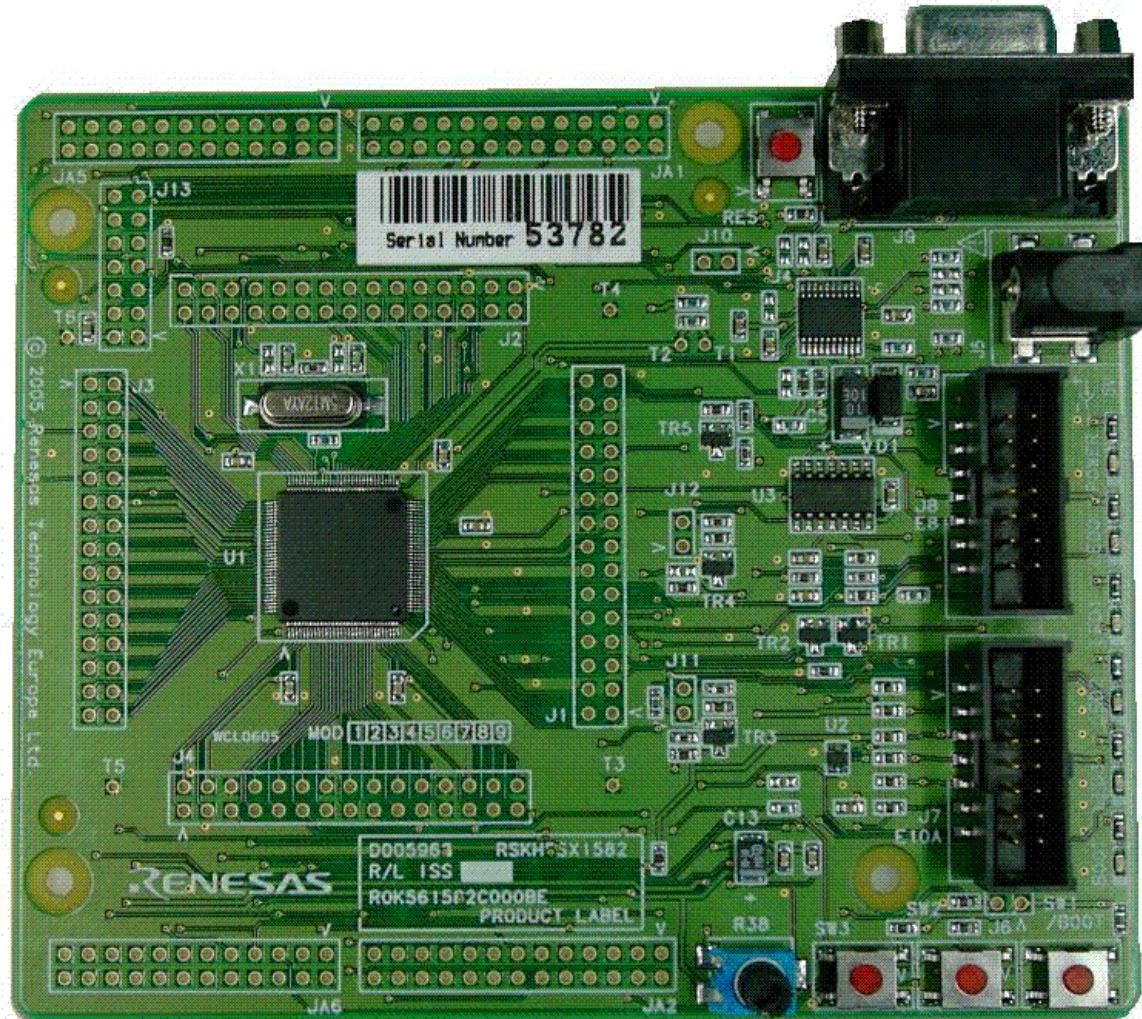
Software:

■ Peripheral Driver Sample Code

- ADC
- DAC
- DMA
- Timer
- SCI
- RCAN
- WDT
- RTC
- Low Power
- IIC
- Sound
- LCD

Documentation

- User Manual
- Quick Start Guide
- Tutorial



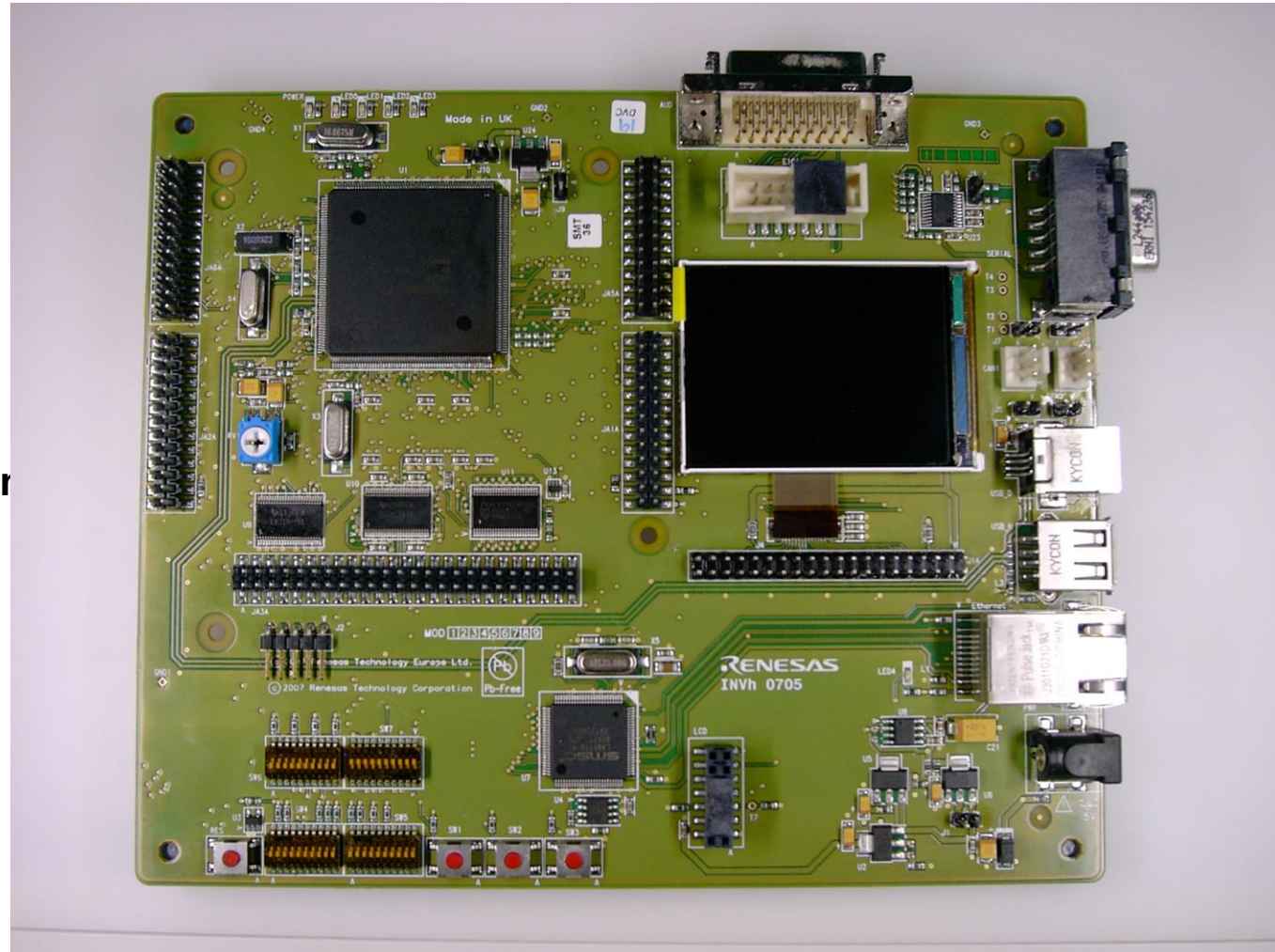
High End Example: RSK+SH7203

Hardware:

- Generic Headers
- TFT Display
- USB I/F and USB key
- Ethernet I/F
- 4MBit Flash (16bit)
- 16MBit SDRAM (16/32)
- E10A-USBSLII (JTAG)
- RS232 I/F
- LEDs / Switches

Software/Documentation

- Standard RSK CD
- plus µLinux CD
 - Full device BSP
 - Ethernet driver
 - Embedded Web Server
 - USB host and function



Application Board Example: Ethernet/USB Comms Board

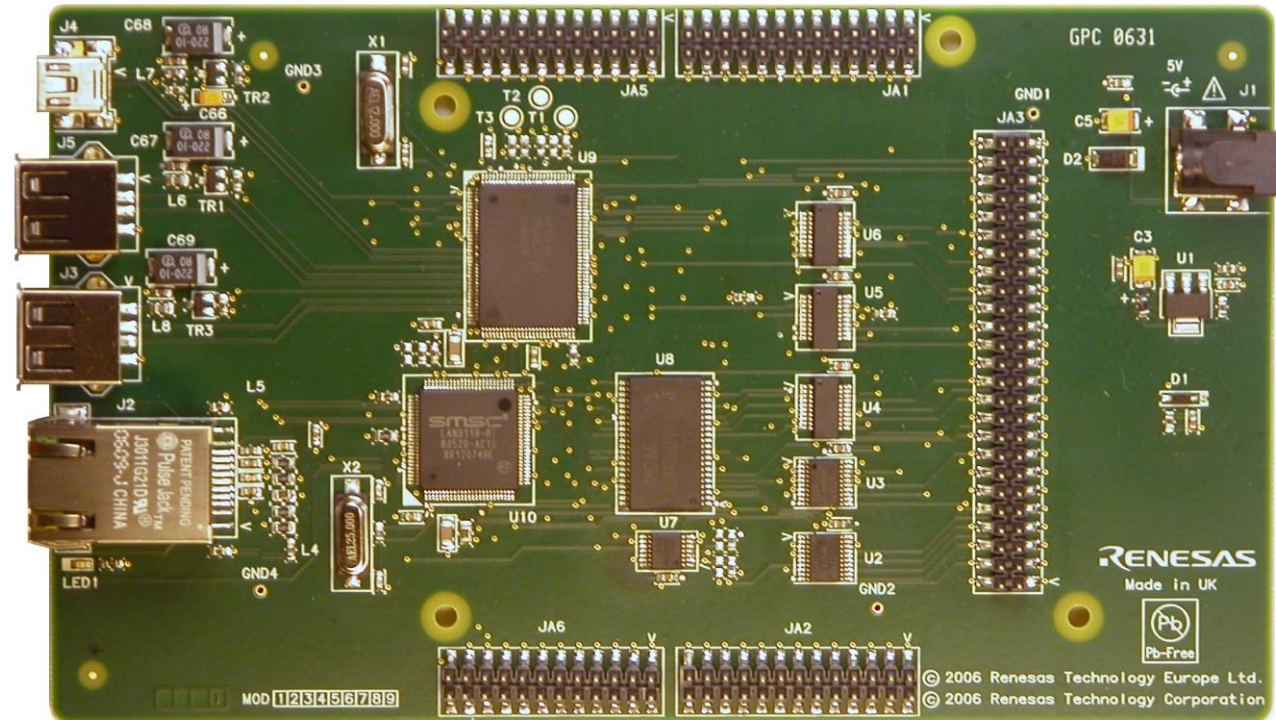


Hardware:

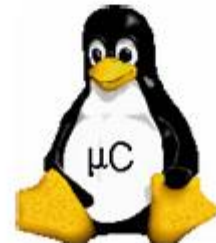
- Generic Headers
- Ethernet SMSC911
- USB OTG ISP1761
- SRAM 256Kx16bit
- LEDs

Software/Documentation:

- Quick Start Guide
- USB Application Note
- Ethernet Appl Note



Conclusion



■ Get It!

■ Use It!



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