

IP Block list

IP Name	Maturity
Crypto accelerators	
Modular arithmetic coprocessor ECDSA-160/256/512 bit; RSA-1024/2048/3072/4096 bit	Ready
AES 128/256 bit crypto accelerator	In Silicon
DES/3DES crypto accelerator	In Silicon
GOST 28147-89 256 bit, DES 64 bit crypto accelerator	In Silicon
Math coprocessors and accelerators	
16*16 bit Multiplier - Accumulator	In Silicon
32 bit Cyclic Redundancy Check with any generator polynomial	Ready
Cyclic Redundancy Check ($x^{16} + x^{12} + x^5 + 1$)	In Silicon
Smart cards and RFID	
ISO 14443A interface	In Silicon
ISO 7816 interface	In Silicon
ISO 14443A/B interface	In Design
Controllers	
Ethernet/MAC Interface	In Silicon
1-Wire controller	Ready
AC97 Host controller	In Silicon
SATA2 controller	Ready
TFT LCD controller	In Silicon
Intellectual DMA controller	In Silicon
Resistive Touch Screen controller	In Silicon
USB Device 2.0 Low Speed/Full Speed controller	In Design
USB Host 2.0 Low Speed/Full Speed controller	In Design
ONFI compliant flash controller (asynchronous mode)	In Design
Interfaces	

General - Purpose Input/Output Interface (GPIO)	In Silicon
Inter-Integrated Circuit Interface (I ² C)	In Silicon
Inter-IC Sound Interface (I ² S)	In Silicon
Serial Peripheral Interface (SPI)	In Silicon
Universal Synchronous/Asynchronous Receiver/Transmitter Interface (USART)	In Silicon
ITU 656 Video Interface	In Silicon
PCI 2.1-3.0 interface	Ready
Memory controllers	
Compact Flash/IDE controller	In Silicon
SDRAM, ASRAM, NOR Flash controller	In Silicon
NAND Flash controller	In Silicon
Peripheral IP	
Watchdog timer	In Silicon
Timers	In Silicon
Real Time Clock	In Silicon
JTAG Module	In Silicon
Pulse Width Modulator	In Silicon
Analog IP	
DTMF synthesizer	In Silicon