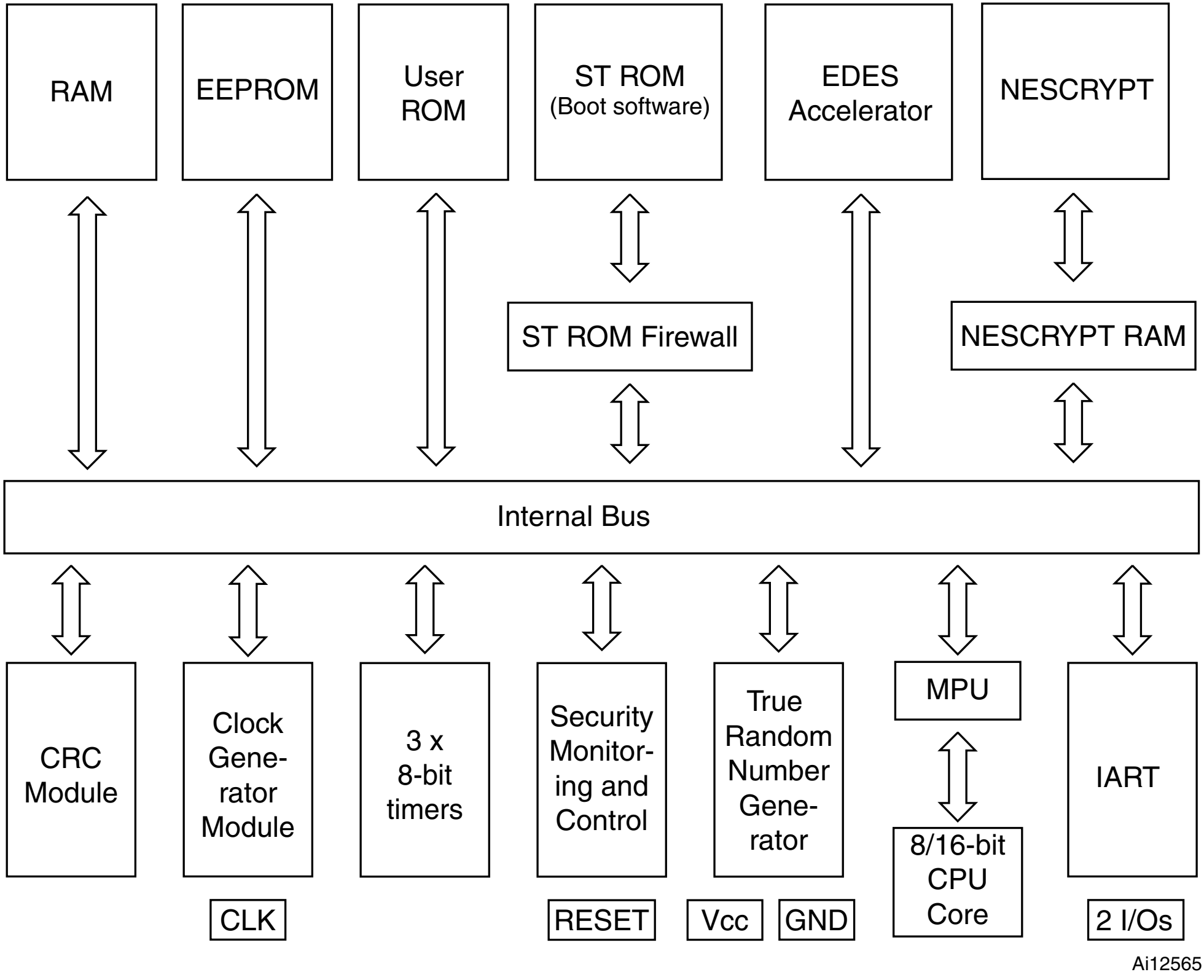
RAM
EEPROM
User ROM
ST ROM (Boot software)
EDES Accelerator
NESCRYPT
ST ROM Firewall
NESCRYPT RAM
Internal Bus
CRC Module
Clock Gene-rator Module
3 x 8-bit timers
Security Monitor-ing and Control
True Random Number Gene-rator
MPU
8/16-bit CPU Core
IART
CLK
RESET
Vcc
GND
2 I/Os
Ai12565