



An open-source embedded platform based on Vortex86EX SoC

## 86DUINO BOARD DataSheet



Product	86Duino-Zero	86Duino-One	86Duino-EduCake
Processor		Vortex86EX	
Clock Speed		300MHz	
Memory		128MB DDR3	
Flash Memory		8MB	
Digital I/O Pins	14 (32bit PWM output x 7)		45 (32bit PWM output x 11)
Analog Input Pins	6 (11bit)	7 (11bit)	6 (11bit)
Communication	I2C, SPI, UART, LAN	I2C, SPI, UART, RS485, CAN, LAN	I2C, TTL UART, RS232, LAN
Sound	None		High Definition Audio
Sensor	None	LSM330DLC (6-axis Accelerometer & Gyro)	None
Operating Voltage		5V	
Input Voltage (recommended)	7-12V	6-24V	5V
DC Current per I/O Pin		16 mA	
DC Current for 3.3V Pin		400 mA	