



All-in-one design with an integrated bread board

User's Manual

EduCake is designed to be compatible with Arduino series. It is an all-in-one design with an integrated bread board. Many electronic components, sensors and accessories can be easily connected or replaced for experiment without soldering process. Its built-in special circuit protection design can prevent it from burn out due to configuration errors. You can make a module easily, quickly and also be worry free about unexpected damage caused by human factor.

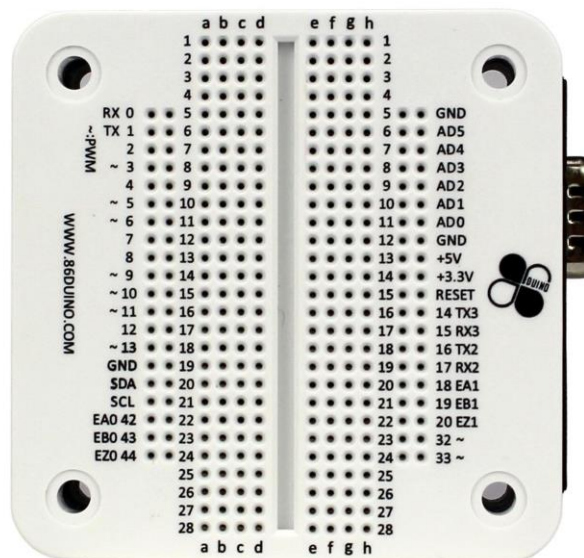
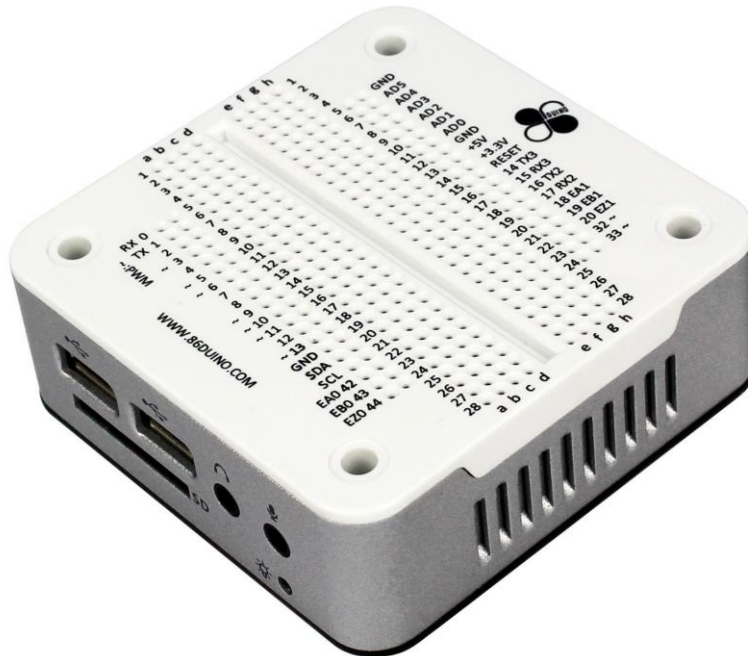
Product Information

- Vortex86EX Processor
 - ◆ 300MHz 32-bit x86
 - ◆ 128MB DDR3
 - ◆ LAN
 - ◆ USB 2.0
 - ◆ Micro-SD
- Open-Source Hardware
- Support DOS, Windows, Linux
- Arduino-Compatible IDE



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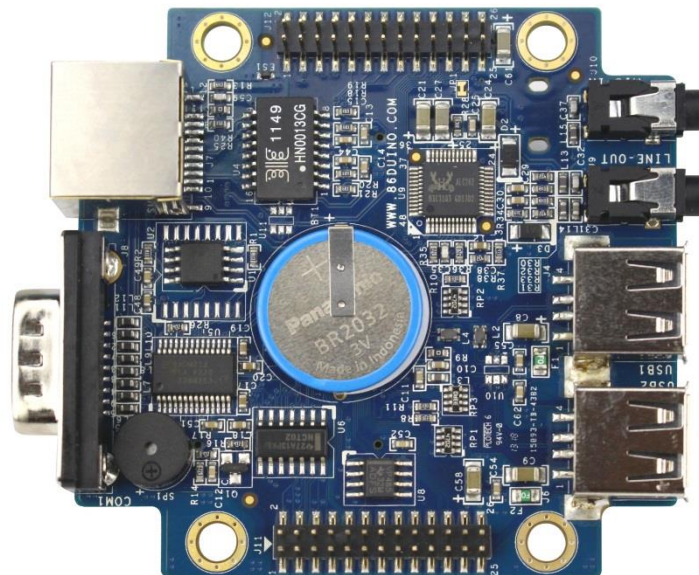
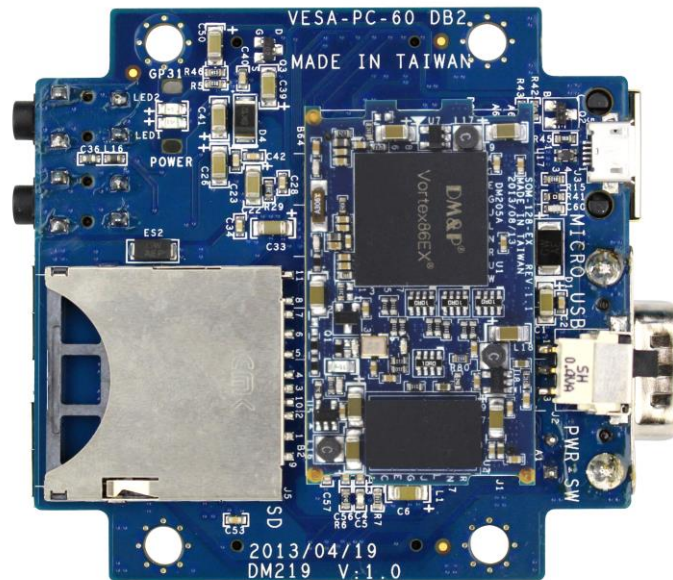






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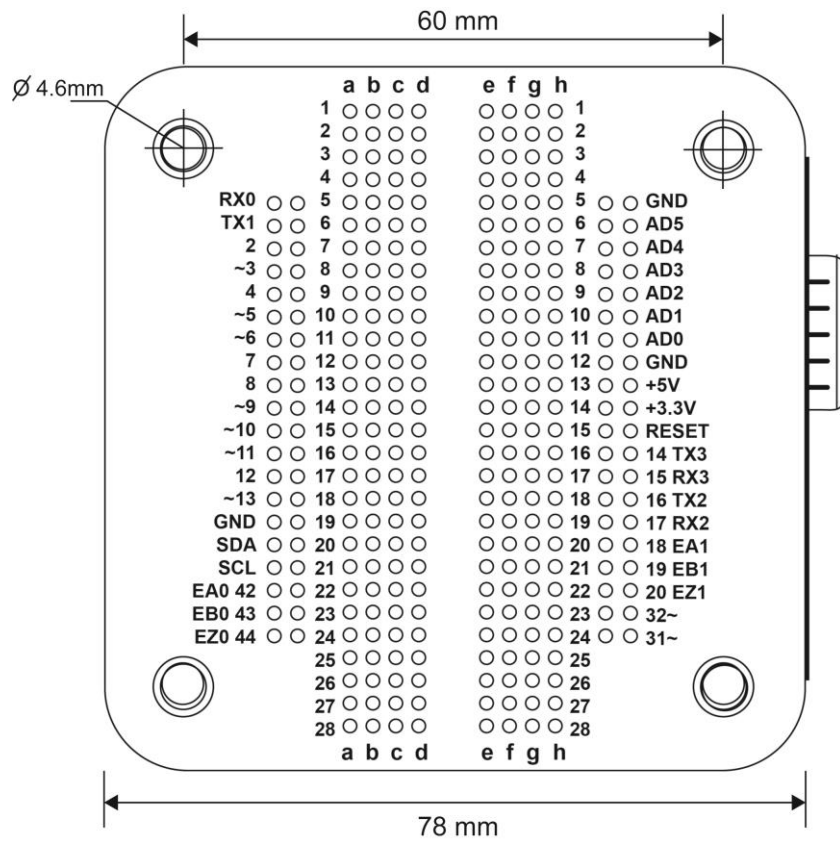
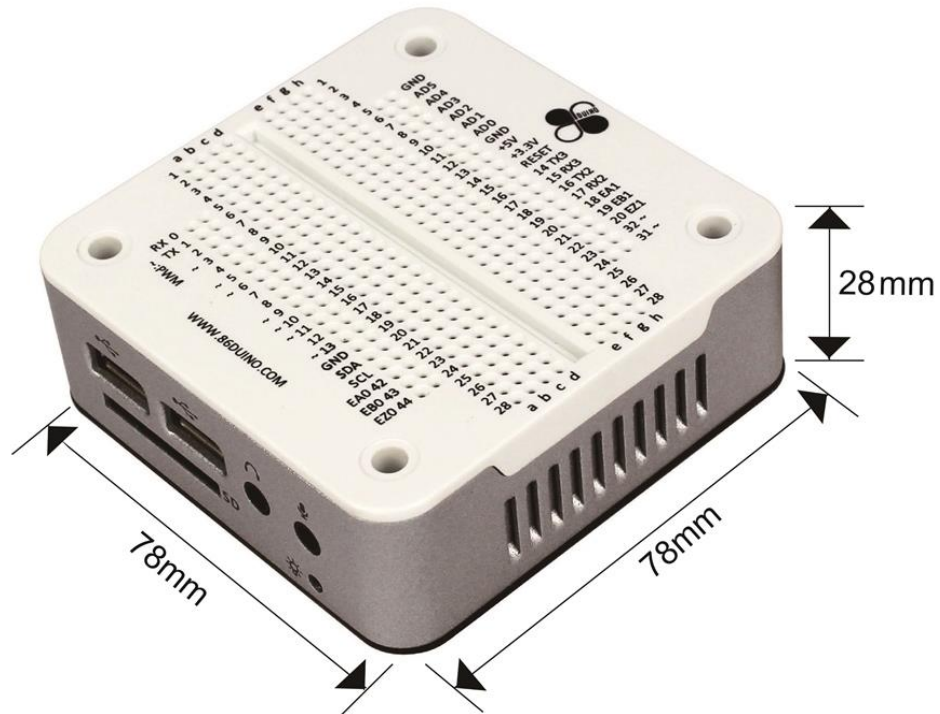
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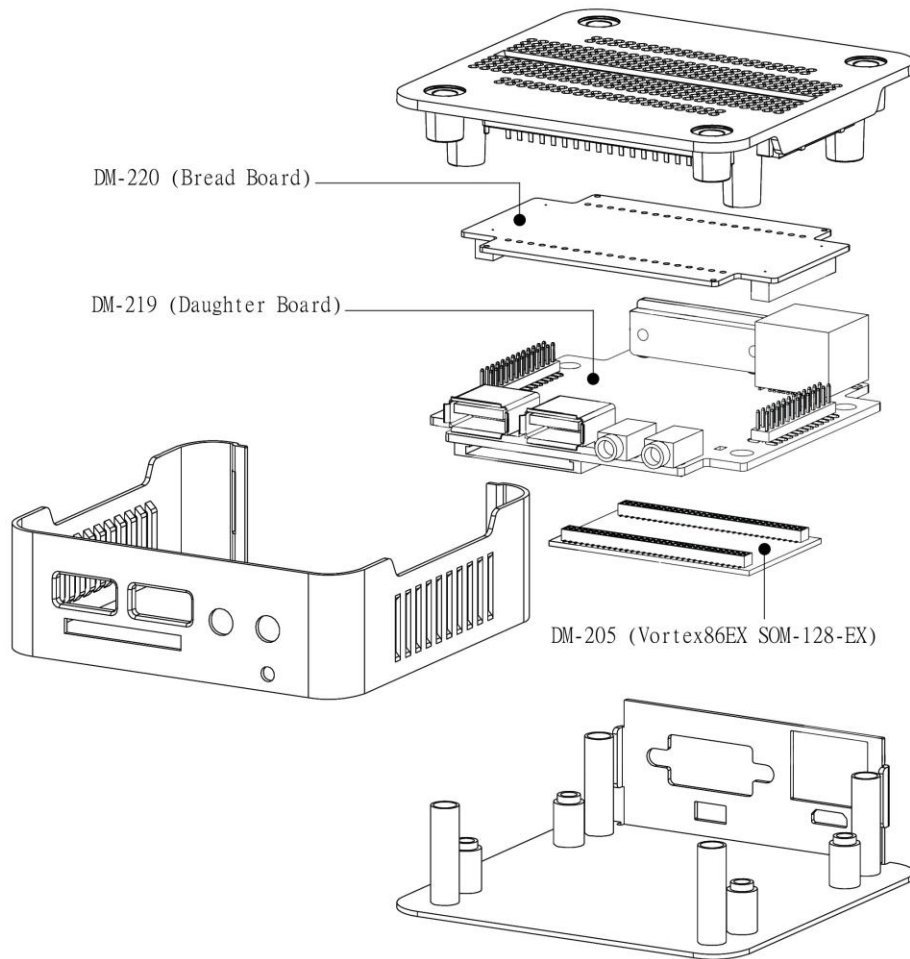
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Technical Specifications

Processor	Vortex86EX
Clock Speed	300 MHz
Memory	128MB industrial-grade DDR3
Flash Memory	8MB
Digital I/O Pins	26 (of which 9 provide 32bit PWM output)
Analog Input Pins	6 (11bit)
Communication	I2C, TTL UART, RS232, LAN
Sound	High Definition Audio
Operating Voltage	5V
DC Current per I/O Pin	16 mA
DC Current for 3.3V Pin	400 mA