
What you need to program an: Athena, AthenaHS, Athena485, Perseus or Nemesis

In this paper when we refer to the Athena we are referring generally to the Athena Class of microcontrollers which consist of the Athena, AthenaHS, Athena485, Perseus and Nemesis chips.

What do I need to get started with the Athena?

The Athena chips were designed with beginners in mind. The jump into microcontrollers can be a mind draining experience. This is not true with the Athena.

What do I need to get started?

- First you need to download the software. Its free and can be downloaded from the Kronos Robotics web site.
- You will need the Athena Chip. It comes in 5 variations, Athena, AthenaHS, Athena485, Perseus and Nemesis
- To program the Athena you need an RS232 driver chip or board. You can build one or use one of ours.
- You will also need to power the Athena. You can use power in the range of 3.5 to 5.5 volts DC. If you don't have a power source in this range check out our breadboard regulator. You can also use a standard 7805 Voltage regulator.
- You will need a PC with windows OS. 95, 98, ME, NT, 2000 and XP are supported.
- You will need a 9 Pin Serial cable that connects your PC to the RS232 Driver.
- You will also need both a 10uf and .1uf capacitors, also a 10k resistor. These components are only needed if you are not using one of our carrier boards.

Packages Available

Various starter packages were created to get you started.

Athena Starter Package 1

This package contains an EZRS232 Driver, Athena and support components. You will still need a Breadboard, Power Supply and cable.

Perseus Starter Package 1

This package contains an EZRS232 Driver, Perseus and support components. You will still need a Breadboard, Power Supply and cable.

Nemesis Starter Package 1

This package contains an EZRS232 Driver, Nemesis and support components. You will still need a Breadboard, Power Supply and cable.

Athena Starter Package 2

This package contains an EZ232 Driver, Athena Carrier 1 board and support components. You will still need a Breadboard, Power Supply and cable.

Athena EDU Carrier Board

While this is not a package it does sport a built in RS232 driver and regulator. You will need a cable, AC adapter, and Athena Chip (Not compatible with Perseus or Nemesis).

Athena Carrier Board 3

This board is similar to the EDU board but is capable of standalone operation (No Breadboard). It also has many more options available. You will need a cable, AC adapter, and Athena Chip (Not compatible with Perseus or Nemesis).

Athena Deluxe

This package contains an Athena EDU, Athena and support components. It also contains a breadboard and wire kit as well as lots of nice components. You will still need an AC adapter for the onboard regulator and a cable.

Related Products

Athena<http://kronosrobotics.com/xcart/customer/product.php?productid=16276>
AthenaHS<http://kronosrobotics.com/xcart/customer/product.php?productid=16277>
Athena485<http://kronosrobotics.com/xcart/customer/product.php?productid=16381>
Perseus<http://kronosrobotics.com/xcart/customer/product.php?productid=16382>
Nemesis<http://kronosrobotics.com/xcart/customer/product.php?productid=16406>
EZRS232 Driver<http://kronosrobotics.com/xcart/customer/product.php?productid=16167>

Athena Starter Kit 1<http://kronosrobotics.com/xcart/customer/product.php?productid=16297>
Athena485 Starter Kit 1<http://kronosrobotics.com/xcart/customer/product.php?productid=16383>
Perseus Starter Kit 1<http://kronosrobotics.com/xcart/customer/product.php?productid=16385>
Nemesis Starter Kit 1<http://kronosrobotics.com/xcart/customer/product.php?productid=16395>

Athena Starter Kit 2<http://kronosrobotics.com/xcart/customer/product.php?productid=16298>
Athena485 Starter Kit 2<http://kronosrobotics.com/xcart/customer/product.php?productid=16384>

Athena485 Starter Kit 2<http://kronosrobotics.com/xcart/customer/product.php?productid=16384>

Athena Software<http://www.kronosrobotics.com/downloads/AthenaSetup.exe>