

# PowerLeap® PL-AXP™ Supplement Guide



## Features

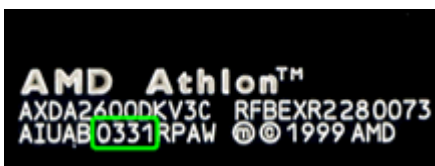
- The most cost-effective AMD Athlon/Duron CPU upgrade solution available.
- Supports Socket A (462-pin) AMD CPUs, including Athlon and Duron series.
- Includes multiplier unlocking technology that lets you freely adjust multipliers from 5X ~ 24X for many\* Athlon XP/MP CPUs--without reconnecting bridges on the top of the CPU or shorting socket contacts on your mainboard.
- Simple installation: no need to replace your original heatsink/fan or use any extra mechanism.
- Easy multiplier unlocking. No drivers needed!
- Includes PL-AXP adapter, *Quick Start* guide, and warranty card.
- Dimensions: 49.6 x 49.6 x 2.0 (mm)

## Choosing the Right AMD® Athlon™ CPU

Choosing the right AMD Athlon XP CPU is the key when using the PL-AXP for the "Unlocking" purpose. **Note: Only the Barton and Thoroughbred-B core-based Athlon XP/MP CPUs are qualified for multiplier unlocking--** the PL-AXP does not support unlocking for the Palomino and Thoroughbred-A core-based Athlon CPUs. Locate the label on the Athlon XP/MP CPU and make sure the model number starts with **AXDA\*\*\*\*\***, or the CPU might not be qualified for unlocking.

In addition, AMD has officially locked all Athlon CPU internal multipliers produced since Week 34, 2003, and the PL-AXP can't unlock these CPUs. In order to unlock CPU multipliers with the PL-AXP, you need to use an Athlon CPU that was manufactured **before Week 34, 2003** (identified as *0334*).

The manufacturing date is printed on the Athlon CPU label (please refer to the photo below for location of the manufacturing date. Shown here "0331" means Week 31 of 2003).



**Note:** You can find more detailed information on qualified Athlon XP CPUs at [Overclockers Forums](http://www.ocforums.com/) (<http://www.ocforums.com/>) and official AMD site (<http://www.amd.com>).

**More qualified Athlon XP CPU upclocking info can be found at:**

<http://forum.oc-forums.com/showthread.php?s=9e7d15e997d73e82c932ef5c04492dad&threadid=244237>

## ***Installing the CPU and Heatsink/Fan***

We strongly suggest using a **new** heatsink/fan when upclocking.

**Note:** Please be advised that upclocking may damage your CPU, so you're at your own risk in doing so.

1. To install the CPU in the PL-AXP, firmly press the CPU into the adapter's ZIF socket (as shown below), while avoiding pressure on the die in the center. To ensure that poor contact does not cause damage to the CPU, make sure the CPU is firmly seated in the socket.



**Important:** Make sure that there is no "space" left between the AMD CPU and the PL-AXP adapter. A poor "connection" may prevent the PL-AXP from working correctly.

2. Before installing the heatsink/fan, spread a thin layer of thermal paste on the CPU die. Then place the heatsink/fan so that it rests evenly on the die. If the heatsink/fan does rest evenly on the die, the CPU may suffer damage due to overheating.

3. Clip the heatsink/fan to the socket. So as to avoid crushing the CPU die, make sure that the clip is not too tight.

**Note:** AMD does not provide a guarantee comparable to Intel's 3-year warranty, so take extra care when installing the AMD CPU as well as the heatsink and fan. **Heat dissipation** is very important to the AMD CPU.