

3.3V 233MHz AMD-K6™ Processor Specifications

This document is designed to provide information on the product marking, electrical specifications, recommended motherboards, and recommended thermal solutions for the 3.3V 233 MHz AMD-K6 processor.

Product Nomenclature

Figure 1 below illustrates the product marking and valid Ordering Part Number (OPN) for the 3.3V 233 MHz AMD-K6 processor.

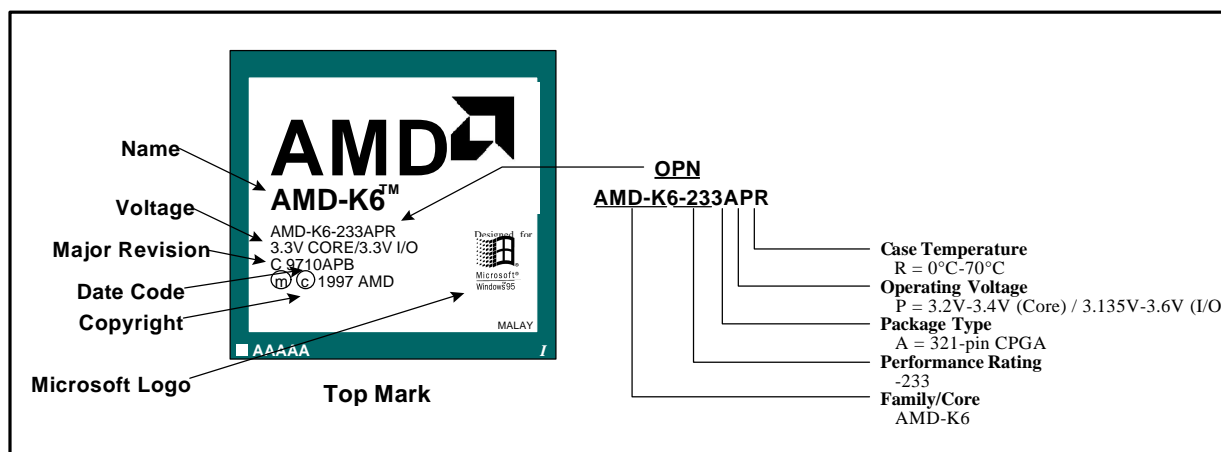


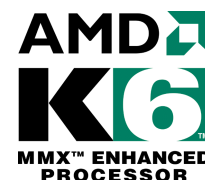
Figure 1. Product Marking for the 3.3V 233 MHz AMD-K6 Processor

Electrical Specifications

Table 1 contains the electrical specifications for the 3.3V 233 MHz AMD-K6 processor.

Table 1. Electrical Specifications for the 3.3V 233 MHz AMD-K6 Processor

| | | | |
|------------------------------------|----------------------|--------------------------------|--------|
| V _{CC2} | 3.3V +/- 100 mV | Maximum Thermal Power | 30.2 W |
| V _{CC3} | 3.3V +300 mV/-165 mV | Typical Thermal Power | 18.2 W |
| I _{CC2} Max | 9.75 A | Maximum Power, Stop Grant/Halt | 1.8 W |
| I _{CC3} Max | 0.52 A | Maximum Power, Stop Clock | 1.0 W |
| Case Temperature (T _C) | 0 deg C - 70 deg C | | |



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Recommended Motherboards

Table 2 contains a list of motherboards verified to support the 3.3V 233 MHz AMD-K6 Processor.

Table 2. List of Recommended Motherboards for the 3.3V 233 MHz AMD-K6 Processor

| Motherboard Model | Required Jumper Settings for 3.3V |
|---|---|
| Atrend ATC-1040 - Triton VX | JP10 = open, JP11 = closed, JP12 = open, JP13 = open, JP14 = open |
| Atrend ATC -5020+ (ATX) Rev 1.02 - Triton TX | JP2 = 3-4 |
| BCM FR550 (ATX) Rev C01 - Triton TX | JP4 = 1-3, 2-4, JP5 = 5-6, JP7 = 3-4 |
| BCM SQ575 (AT) Rev X02 - Triton TX | JP14 = closed |
| Biostar MB-8500TUD-A (AT) Rev 1.4 - Triton TX | JP16 = 1-2, 3-4 |
| FIC PA-2010+ (ATX) Rev 4.0 - VIA VT82C585VP1 | VR Jumper = 3-4 |
| FIC PA-2011 (ATX) Rev 2.2 - VIA VT82C595VP2 | VR Jumper = 3-4 |
| Gigabyte GA-586TX3 (AT) Rev 1.05 - Triton TX | SW4 = ON, SW5 = OFF, SW6 = ON, SW7 = ON |
| Microstar MS5164 (BAT) Rev 0B - ALi 1531/1543 | SW2: 1 = OFF, 2 = ON, 3 = ON, 4 = OFF, 5 = ON |

Recommended Heat Sinks

Based on the specifications of Table 1, AMD has evaluated and verified a list of heat sinks to provide sufficient cooling for satisfying the power dissipation and thermal specifications of the 3.3V 233 MHz AMD-K6 Processor. Table 3 contains this recommended list of heatsinks.

Table 3. List of Recommended Heat Sinks for the 3.3V 233 MHz AMD-K6 Processor

| Manufacturer | Model Number | Comments |
|-----------------------|-------------------|---------------------------------|
| IERC | 61475CB | Requires an external 24 CFM fan |
| Global Win Technology | CPM25602-16 | |
| Cooler Master | TI5-602525SBC1/C3 | |