AMD Athlon XP 2400+ (1.65V) specifications

General information	
Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Athlon XP
Model number	**2400+**
CPU part number	• **AXDA2400DKV3C** is an OEM/tray microprocessor
Stepping codes	AIUAB AIUCB AIUGB AIUHB AIXHB AIXIB AIXJB AQXDA JIUCB KIXIB KIXJB
Frequency	**2400+ (rated)** **2000 MHz (real)**
Bus speed	**266 MHz**
Clock multiplier	**15**
Package	453-pin organic PGA 1.95" x 1.95" (4.95 cm x 4.95 cm)
AMD Package numbers	27291, 27493, 27648
Socket	**Socket A (Socket 462)**
Introduction date	21-Aug-02
Price at introduction	$193
Architecture / Microarchitecture	
Microarchitecture	K7
Processor core	Thoroughbred (Model 8)
CPUID	681
Manufacturing process	0.13 micron copper process
Die	80.89mm2 (CPUID 680) 67.35mm2 (CPUID 680 / without L2 cache) 84.66mm2 (CPUID 681) 71.12mm2 (CPUID 681 / without L2 cache) 86.97mm2 (CPUID 682) 73.43mm2 (CPUID 682 / without L2 cache)
Data width	**32 bit**
The number of CPU cores	**1**
The number of threads	**1**
Floating Point Unit	Integrated
Level 1 cache size	64 KB 2-way set associative instruction cache 64 KB 2-way set associative data cache
Level 2 cache size	**Full-speed on-die 256 KB 16-way set associative cache**
Multiprocessing	Uniprocessor
Extensions and Technologies	• MMX instructions • Extensions to MMX • 3DNow! technology • Extensions to 3DNow! • SSE / Streaming SIMD Extensions
Low power features	• Halt state • Stop Grant states • Sleep state • Probe state
Integrated peripherals / components	
Integrated graphics	None
Electrical / Thermal parameters	
V core	1.65V
Minimum/Maximum operating temperature	0°C - 85°C
Typical/Maximum power dissipation	62 Watt / 68.3 Watt

Notes on AMD Athlon XP 2400+ (1.65V)

- Actual bus frequency is 133 MHz. Because the processor uses Double Data Rate bus the effective bus speed is 266 MHz