AMD Athlon XP 1600+ specifications

General information	
Type	CPU / Microprocessor
Market segment	Desktop
Family	AMD Athlon XP
Model number	**1600+**
CPU part number	• **AXDA1600DUT3C** is an OEM/tray microprocessor
Stepping code	AIPCA
Frequency	**1600+ (rated)** **1400 MHz (real)**
Bus speed	**266 MHz**
Clock multiplier	**10.5**
Package	453-pin organic PGA 1.95" x 1.95" (4.95 cm x 4.95 cm)
AMD Package number	27178
Socket	**Socket A (Socket 462)**
Architecture / Microarchitecture	
Microarchitecture	K7
Processor core	Thoroughbred (Model 8)
Manufacturing process	0.13 micron
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 code 64 KB data
Level 2 cache size	**Full-speed on-die 256 KB**
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	1.6V
Minimum/Maximum operating temperature	0°C - 90°C
Typical/Maximum power dissipation	44 Watt / 48.5 Watt
Notes on AMD Athlon XP 1600+	

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