



HP AMD Athlon 64 X2 4800+ processor 2.5 GHz 1 MB L2

Brand : HP

Product code: AH869AV

Product name : AMD Athlon 64 X2 4800+



AMD Athlon 64 X2 4800+ (1M, 2.5GHz) Processor Upgrade

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Athlon 64 x2 are dual-core microprocessors best suited for running multiple applications on one computer. "X2" part in name is easy to explain - these processors incorporate two Athlon 64 cores on one die, hence it's an Athlon 64 x2. Having two-cores on one die comes at a price, though:

- X2 processors have much bigger die size - 218 mm² for 0.09 micron processors with 1 MB L2 cache.

For comparison, Athlon 64 with 1 MB L2 cache has almost two times smaller die size (112.9 mm²).

- Power consumption of two-core CPU is higher. For example, socket AM2 Athlon 64 X2 3800+ has

Thermal Design Power 89 Watt, which is 27 Watt more than TDP of Athlon 64 3800+.

HP AMD Athlon 64 X2 4800+. Processor family: AMD Athlon 64, Processor socket: Socket AM2, Processor lithography: 65 nm. Memory channels: Dual-channel

Processor		Processor	
Processor model *	4800+	VID Voltage Range	1.3 - 1.35 V
Processor base frequency *	2.5 GHz	Memory	
Processor family *	AMD Athlon 64	Memory channels *	Dual-channel
Processor cores *	2	Graphics	
Processor socket *	Socket AM2	On-board graphics card *	✗
Processor lithography *	65 nm	Processor special features	
Processor threads	2	AMD HyperTransport Technology	✓
Processor operating modes *	64-bit	AMD Virtualization Technology	✓
Processor boost frequency	4.8 GHz	Operational conditions	
Processor cache	1 MB	Operating temperature (T-T)	55 - 72 °C
Processor cache type	L2	Maximum operating temperature	72 °C
Thermal Design Power (TDP)	65 W		
Box *	✗		

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