

CPU Allgemeines		
Prozessor	Intel(R) Core(TM) i7-3770 CPU @ 3.40GHz	
Erweiterte Bezeichnung und Details	Intel(r) 3rd Generation Core(tm) Processor (Ivy Bridge) Stepping:E-1/N-0/L-1/P-0 (Sockel-Typ LGA 1155)	
Taktfrequenz	3400.0 MHz (aktuell: 3400.1 MHz)	
Technologie	64+32-Bit (Intel EM64T), Multi-Core: ja, Hyperthreading: aktiv (4 Cores)	
Befehlssätze	MMX, SSE, SSE2, SSE3, Supplemental SSE3, SSE4.1, SSE4.2, AVX	
Kerntemperatur	ja: 37°C (68°C unter Tjmax), Package: 52°	
Energieverbrauch (während der Analyse)	CPU Package: 24.5W -	
CPUID		
CPUID Werte	0306A9h (Basis Familie/Modell/Stepping: 6h/Ah/9h, Extended F/M: 0h/3h)	
CPUID Details	Effektive Familie/Modell: 6h/3Ah, Output EAX (F1, Bit 31-0): 00000000 00000011 00000110 10101001	
Hersteller	GenuineIntel	
Brand-ID	keine	
Prozessor-Details (SMBios)		
Hersteller	Intel	
Version	Intel(R) Core(TM) i7-3770 CPU @ 3.40GHz	
Typ	CPU, 64 bit	
Familie	Intel(R) Core(TM) 2 (Duo) processor	
Sockel-Typ	nicht-spezifiziert	
Spannungen	1.0V	
Serien-Nr.		
Teile-Nr.	To Be Filled By O.E.M.	
Taktfrequenz CPU aktuell/CPU maximal auf diesem Board/Bus	3400 Mhz/3800 Mhz/100 Mhz	
Cache		
TLB	Instr.4KB Pages (4-way set associative), 64 entries Data 4KB Pge, Shared 2nd-Level TLB: 4KB Pages, 4-way associative, 512 entries	
Daten-Cache	32 KB	
Befehls-Cache	32 KB	
Trace-Cache	k.A.	
L2-Cache	256KB im CPU-Gehäuse	
L3-Cache	8192 KB	
Wichtige Befehlssätze		
IA-64 (Intel 64-Bit Architektur)	nein	
Intel 64Bit Extensions Techn. (EM64T)/AMD64	ja	
SSE - Streaming SIMD Extensions	ja	
SSE 2 - Streaming SIMD Extensions 2	ja	
SSE 3 - Streaming SIMD Extensions 3	ja	
Supplemental SSE3	ja	
SSE4.1	ja	
SSE4.2	ja	
SSE4A - Streaming SIMD Extensions 4A	nein	
XOP	nein	

	Execution Bit Disable Technology	ja
	Extended 3DNow! Support	nein
	3DNow! Support	nein
	AMD 3DNowPrefetch	nein
	IA MMX Support	ja
	FXSAVE,FXRSTOR/Ext.MMX(Cyrix)	nein
	AVX (Advanced Vector Extensions)	ja
	AVX2 (Advanced Vector Extensions 2)	nein
	BMI1 (Bit Manipulation Instruction)	nein
	BMI2 (Bit Manipulation Instruction 2)	nein
	HLE (Hardware Lock Elision - Intel TSX)	nein
	RTM (Restricted Transactional Memory - Intel TSX)	nein
	FMA (Fused Multiply-Add)	nein
	RDSEED	nein
	ADX	nein
	Diverse Prozessorfeatures	
	Intel Turbo Boost Technologie	ja
	Serien-Nummer vorhanden+aktiv	nein
	Virtualization Technology	ja
	SMX - Safer Mode Extensions	ja
	Cache Line Flush Instruction	ja
	Self Snoop	ja
	Debug Trace and EMON Store	nein
	ACPI - Thermal Monitor and SW controlled Clock Facilities	ja
	Page Size Extensions	ja
	I/O Breakpoints	ja
	Time Stamp Counter	ja
	Page Global Feature Support	ja
	cpu-adäquate MSR's	ja
	FCMOV-Befehl Support	nein
	Machine Check Architektur	ja
	CMOV-Befehl Support	ja
	MOVBE Befehl	nein
	SYSCALL u. SYSRET Befehl	nein
	Coprozessor in CPU eingebaut	ja
	Machine Check Exception	ja
	CMPXCHG8B Befehl	ja
	CMPXCHG16B Befehl	ja
	Advanced Interrupt Controller	ja
	Erweiterter V86-Mode möglich	ja
	Perfmon and Debug Capability	ja
	Memory Type Range Register	ja
	Hyper Threading Technology	ja
	Thermal Monitor thermal control circuit	ja

	Thermal Monitor 2 thermal control circuit	ja
	Enhanced SpeedStep Technology	ja
	Hardware-controlled Performance States (HWP)	nein
	HWP Notification	nein
	HWP Activity Window	nein
	HWP Energy Performance Preference	nein
	HWP Package Level Request	nein
	HDC Hardware Duty Cycling	nein
	PQM Platform Quality of Service Monitoring	nein
	PQE Platform Quality of Service Enforcement	nein
	IBS (Instruction Based Sampling)	nein
	LAHF/SAHF support in 64-bit mode (AMD)	ja
	Secure virtual machine feature (SVM)	nein
	100MhzSteps	nein
	Software Thermal Control	nein
	Hardware Thermal Control	nein
	THERMTRIP	nein
	Voltage ID Control	nein
	Frequency ID Control	nein
	Temperatur Sensor	nein
	Digitaler Temperatursensor	ja
	Direct Cache Access	nein
	Context ID (Li Cache mode)	nein
	x2Apic (Extended Apic)	ja
	Population Count (SSE4a)	ja
	AES Encryption	ja
	XSAVE/XSTOR Feature	ja
	OXSAVE	ja
	Hardware Coordination Feedback (IA32_MPERF, IA32_APERF)	nein
	Lightweight profiling Support	nein
	Topology Extensions	nein
	Effective Frequency	ja
	CPB (Core Performance Boost)	nein
	APIC Timer Always Running	ja
	Power Limit Notification Controls	ja
	Clock Modulation Duty Cycle Extension	ja
	Package Thermal Management	ja
	RDRAND Instruction	ja
	64-bit DS Area	ja
	TBM (Trailing Bit Manipulation Instruction)	nein
	TCE (Translation Cache Extension)	nein
	FMA4 (4-Operand FMA Instruction)	nein
	ABM (Advanced Bit Manipulation)	nein
	FSGSBASE R/W Instruction)	ja
	SMEP (Supervisor Mode Execution Protection)	ja

	Enhanced REP MOVSB/STOSB	ja
	PREFETCHW	nein
	LAHF/SAHF Support in 64-Bit Mode (Intel)	ja
	LZCNT	nein
	PCLMULQDQ (Carryless Multiplication)	ja
	MONITOR und MWAIT (SSE3 Befehle)	ja
	F16C (16-bit Floating Point Conversion)	ja
	FXSR (FXSAVE FXRSTOR Instructions)	ja
	L2I Performance Counter Extensions (AMD)	nein
	Performance Time-Stamp Counter (AMD)	nein
	NB Performance Counter Extensions (AMD)	nein
	Core Performance Counter Extension (AMD)	nein
	Topology Extensions (AMD)	nein
	Processor Feedback Interface (AMD)	nein
	Effective Frequency Interface (AMD)	nein