



HP Intel Core i7-2860QM (2.5 GHz 8 MB L3

Brand : HP

Product code: 666175-001

Product name : Intel Core i7-2860QM



Processor		Features	
Processor generation	2nd gen Intel® Core™ i7	Supported instruction sets	AVX
Processor model *	i7-2860QM	Embedded options available	✗
Processor base frequency *	2.5 GHz	Graphics & IMC lithography	32 nm
Processor family *	Intel® Core™ i7	Processor special features	
Processor cores *	4	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor lithography *	32 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	8	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	5 GT/s	Intel® My WiFi Technology (Intel® MWT)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Processor boost frequency	3.6 GHz	Intel® Quick Sync Video Technology	✓
Processor cache	8 MB	Intel® InTru™ 3D Technology	✓
Processor cache type	L3	Intel® Wireless Display (Intel® WiDi)	✓
Thermal Design Power (TDP)	45 W	Intel FDI Technology	✓
Box *	✗	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Stepping	D2	Intel® Insider™	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Fast Memory Access	✓
Memory		Intel Flex Memory Access	✓
Maximum internal memory supported by processor	32 GB	Intel® Smart Cache	✓
Memory types supported by processor	DDR3-SDRAM	Intel® AES New Instructions (Intel® AES-NI)	✓
Memory clock speeds supported by processor	1066,1333,1600 MHz	Enhanced Intel SpeedStep Technology	✓
Memory channels *	Dual-channel	Intel Trusted Execution Technology	✓
ECC	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Graphics		Intel Demand Based Switching	✗
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics 3000	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card base frequency	650 MHz	Intel® vPro™ Platform Eligibility	✓
On-board graphics card dynamic frequency (max)	1300 MHz	Operational conditions	
Number of displays supported (on-board graphics)	2	Tjunction	100 °C
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Integrated 4G WiMAX	✓		

Features		Other features	
Maximum number of PCI Express lanes	16	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		

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