



HP Pavilion 500-311cn Intel® Celeron® G G1840 4 GB DDR3-SDRAM 500 GB HDD NVIDIA® GeForce® GT 705 Windows 8.1 Tower PC Black

Brand : HP

Product family: Pavilion

Product code: J1E29AA

Product name : 500-311cn

Intel Celeron G1840 (2.8GHz), 4GB DDR3, 500GB HDD, DVD SuperMulti, Intel HD Graphics, Gigabit Ethernet, WLAN 802.11b/g/n, Windows 8.1 64-bit

HP Pavilion 500-311cn. Processor frequency: 2,8 GHz, Processor family: Intel® Celeron® G, Processor model: G1840. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics, Discrete graphics card model: NVIDIA® GeForce® GT 705. Operating system installed: Windows 8.1, Operating system architecture: 64-bit. Power supply: 180 W. Product type: PC



Processor		Expansion slots	
Processor manufacturer *	Intel	PCI Express x1 (Gen 2.x) slots	2
Processor family *	Intel® Celeron® G	PCI Express x16 (Gen 3.x) slots	1
Processor model *	G1840	Design	
Processor cores	2	Chassis type *	Tower
Processor threads	2	Placement supported	Vertical
Processor frequency *	2,8 GHz	Water cooling system	✗
Processor socket	LGA 1150 (Socket H3)	Number of 3.5" bays	1
Processor cache	2 MB	Number of 5.25" bays	1
Processor cache type	L2	Product colour *	Black
System bus rate	5 GT/s	Country of origin	China
Bus type	DMI2	Performance	
FSB Parity	✗	Motherboard chipset	Intel® H87
Processor lithography	22 nm	Audio output channels	5.1 channels
Processor operating modes	32-bit, 64-bit	Product type *	PC
Processor series	Intel Celeron Processor G1000 Series for Desktop	Software	
Processor codename	Haswell	Operating system architecture	64-bit
Thermal Design Power (TDP)	54, 53	Operating system installed *	Windows 8.1
Tcase	72 °C	Processor special features	
PCI Express slots version	3.0	Intel® Wireless Display (Intel® WiDi)	✓
Maximum number of PCI Express lanes	16	Intel 64	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Enhanced Intel SpeedStep Technology	✓
Number of processors installed	1	Embedded options available	✗
Stepping	C0	Intel® InTru™ 3D Technology	✗
Maximum internal memory supported by processor	32 GB	Intel® Insider™	✗
Memory types supported by processor	DDR3-SDRAM	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Memory clock speeds supported by processor	1333 MHz		

Processor		Processor special features	
Memory bandwidth supported by processor (max)	21,3 GB/s	Intel Clear Video Technology	✗
ECC supported by processor	✓	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel TSX-NI	✗
Internal memory *	4 GB	Idle States	✓
Maximum internal memory *	16 GB	Thermal Monitoring Technologies	✓
Internal memory type	DDR3-SDRAM	Intel Stable Image Platform Program (SIPP)	✗
Memory slots	2x DIMM	Intel® AES New Instructions (Intel® AES-NI)	✗
Memory clock speed	1600 MHz	Intel® Secure Key	✓
Memory channels	Dual-channel	Intel Trusted Execution Technology	✗
Storage		Execute Disable Bit	✓
Total storage capacity *	500 GB	Intel FDI Technology	✗
Storage media *	HDD	Intel Flex Memory Access	✗
Optical drive type *	DVD Super Multi	Intel Fast Memory Access	✗
Number of storage drives installed	1	Intel Enhanced Halt State	✓
Number of HDDs installed	1	Intel Demand Based Switching	✗
HDD capacity	500 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
HDD interface	SATA	Processor package size	37.5 x 37.5 mm
HDD speed	7200 RPM	Supported instruction sets	SSE4.1, SSE4.2
Card reader integrated	✓	Processor code	SR1VK
Compatible memory cards	Memory Stick (MS), MS PRO, SD, SDHC, SDXC	Scalability	1S
Graphics		CPU configuration (max)	1
On-board graphics card *	✓	Graphics & IMC lithography	22 nm
Discrete graphics card model *	NVIDIA® GeForce® GT 705	Thermal solution specification	PCG 2013C
Discrete graphics card memory	1 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Discrete graphics memory type	GDDR3	Intel Stable Image Platform Program (SIPP) version	0,00
Number of discrete graphics cards	1	Intel Secure Key Technology version	1,00
On-board graphics card family	Intel® HD Graphics	Intel Virtualization Technology (VT-x)	✓
On-board graphics card model *	Intel® HD Graphics	Intel TSX-NI version	0,00
On-board graphics card base frequency	350 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1050 MHz	Intel Rapid Storage Technology	✗
Maximum on-board graphics card memory	1,024 GB	Processor ARK ID	80800
Number of displays supported (on-board graphics)	3	Intel® Turbo Boost Technology	✗
On-board graphics card DirectX version	11.1	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card OpenGL version	4.3	Intel® Quick Sync Video Technology	✓
Graphics card HDMI ports quantity	1	Intel® My WiFi Technology (Intel® MWT)	✗
Graphics card DVI-I ports quantity	1	Intel® Anti-Theft Technology (Intel® AT)	✗
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Power	
Ethernet LAN data rates	10,100,1000 Mbit/s	Power supply *	180 W
Cabling technology	10/100/1000Base-T(X)	Power supply input voltage	100 - 240 V
Wi-Fi *	✓	Weight & dimensions	
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Width *	175 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth *	367 mm
Ports & interfaces		Height *	389 mm
USB 2.0 ports quantity *	4	Weight *	7,15 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Packaging content	
VGA (D-Sub) ports quantity	1	Mouse included	✓
DVI port	✓		
Ethernet LAN (RJ-45) ports	1		
Microphone in	✓		

Ports & interfaces		Packaging content	
Headphone outputs	1	Keyboard included	✓
Line-out	✓	Display	
Line-in	✓	Display included *	✗
		Other features	
		Optical drives quantity	1
		Intel® Virtualization Technology (Intel® VT)	VT-x

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Publication date: 20-AUG-2025. Prints or copies of Information are only valid on the printed Publication date