



## HP ENVY 17-j001tx Intel® Core™ i5 i5-3230M Laptop 43,9 cm (17.3") 8 GB DDR3-SDRAM 750 GB HDD NVIDIA® GeForce® GT 740M Windows 8 Prateado



Marca : HP

Família do produto: ENVY

Código do produto: E3A59PA

Nome do produto : 17-j001tx

HP ENVY 17-j001tx. Tipo de produto: Laptop, Fator forma: Concha. Família do processador: Intel® Core™ i5, Modelo de processador: i5-3230M, Frequência do processador: 2,6 GHz. Display diagonal: 43,9 cm (17.3"). Memória interna: 8 GB, Tipo de memória interna: DDR3-SDRAM. Capacidade total de armazenagem: 750 GB, Armazenamento: HDD, Tipo de drive ótico: DVD Super Multi. Modelo de adaptador gráfico a bordo: Intel® HD Graphics 4000, Modelo de adaptador gráfico discreto: NVIDIA® GeForce® GT 740M. Sistema operacional instalado: Windows 8. Cor do produto: Prateado

Design		Keyboard	
Product type *	Laptop	Pointing device	Touchpad
Product colour *	Silver	Numeric keypad *	✓
Form factor *	Clamshell		
Country of origin	China		
Display		Software	
Display diagonal *	43.9 cm (17.3")	Operating system architecture	64-bit
Touchscreen *	✗	Operating system installed *	Windows 8
HD type	Not supported		
LED backlight	✓		
Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i5	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	3rd gen Intel® Core™ i5	Intel Smart Connect Technology	✗
Processor model *	i5-3230M	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor cores	2	Intel® Rapid Start Technology	✗
Processor threads	4	Intel® Smart Response Technology	✗
Processor boost frequency	3.2 GHz	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor frequency *	2.6 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	5 GT/s	Intel® Turbo Boost Technology	2.0
Processor cache	3 MB	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cache type	Smart Cache	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor socket	BGA 1023	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor lithography	22 nm	Intel® Active Management Technology (Intel® AMT)	✗
Processor operating modes	64-bit	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Core i5-3200 Mobile series	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor codename	Ivy Bridge	Intel Clear Video Technology	✗
Bus type	DMI	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✓
Stepping	L1	Intel® Quick Sync Video Technology	✓
Thermal Design Power (TDP)	35 W	Intel Flex Memory Access	✓
Tjunction	105 °C	Intel® Smart Cache	✓
Maximum number of PCI Express lanes	16	Intel® AES New Instructions (Intel® AES-NI)	✓
PCI Express slots version	3.0	Intel Trusted Execution Technology	✗
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Enhanced Halt State	✓
CPU multiplier (bus/core ratio)	26		
ECC supported by processor	✗		
Memory			
Internal memory *	8 GB		
Internal memory type	DDR3-SDRAM		

Memory		Processor special features	
Memory clock speed	1600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory form factor	SO-DIMM	Intel Demand Based Switching	✗
Memory layout (slots x size)	1 x 8 GB	Intel® Secure Key	✓
Memory slots	2x SO-DIMM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Maximum internal memory *	16 GB	Intel 64	✓
Storage		Execute Disable Bit	✓
Total storage capacity *	750 GB	Idle States	✓
Storage media *	HDD	Thermal Monitoring Technologies	✓
Number of HDDs installed	1	Processor package size	31 x 24 (BGA1023)
HDD capacity	750 GB	Supported instruction sets	AVX
HDD interface	SATA	Processor code	SR0WX
HDD speed	5400 RPM	CPU configuration (max)	1
Optical drive type *	DVD Super Multi	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	22 nm
Compatible memory cards	SD, SDHC, SDXC	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Identity Protection Technology version	1.00
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	Intel Secure Key Technology version	1.00
Discrete graphics card memory	2 GB	Intel Virtualization Technology (VT-x)	✓
Discrete graphics memory type	GDDR3	Intel Dual Display Capable Technology	✓
On-board graphics card *	✓	Intel FDI Technology	✓
Discrete graphics card *	✓	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Fast Memory Access	✓
On-board graphics card model *	Intel® HD Graphics 4000	Processor ARK ID	72056
On-board graphics card base frequency	650 MHz	Conflict-Free processor	✓
On-board graphics card dynamic frequency (max)	1100 MHz	Integrated 4G WiMAX	✓
On-board graphics card ID	0x166	Battery	
Audio		Battery technology	Lithium-Ion (Li-Ion)
Audio system	Beats Audio	Power	
Number of built-in speakers	4	AC adapter power	90 W
Built-in subwoofer	✓	AC adapter frequency	50 - 60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
Camera		DC-in jack	✓
Front camera	✓	Security	
Network		Cable lock slot	✓
Wi-Fi	✓	Cable lock slot type	Kensington
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Fingerprint reader	✓
Ethernet LAN	✓	Weight & dimensions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Width	416 mm
Bluetooth	✓	Depth	274.4 mm
Ports & interfaces		Height	32.6 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Weight *	3.2 kg
Ethernet LAN (RJ-45) ports	1	Other features	
HDMI ports quantity *	1	LightScribe	✗
DVI port	✗		
S/PDIF out port	✗		
Microphone in	✗		
Combo headphone/mic port	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		

**Performance**

Motherboard chipset                      Intel HM77 Express



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