

## HP ProBook 4740s Intel® Core™ i7 i7-3632QM 43,9 სანტიმეტრი (17.3") HD+ 4 გბ DDR3-SDRAM 750 გბ HDD AMD Radeon HD 7650M Windows 8 ალუმინი, შავი

ბრენდი : HP **Product family: ProBook** პროდუქტის კოდი: C8H84PA

პროდუქტის დასახელება :

4740s

HP ProBook 4740s. ფორმ-ფაქტორი: ჩამჩა. პროცესორის კლასი: Intel® Core™ i7, პროცესორი: i7-3632QM, Processor frequency: 2,2 GHz. დისფლეის დიაგონალი: 43,9 სანტიმეტრი (17.3"), HD type: HD+, ეკრანის გარჩევადობა: 1600 x 900 pixels. შიდა მეხსიერება: 4 გბ, შიდა მეხსიერების ტიპი: DDR3-SDRAM. საცავის სრული ტევადობა: 750 გბ, Storage media: HDD, ოპტიკური დისკ-ამძრავის ტიპი: DVD Super Multi DL. On-board graphics adapter model: Intel® HD Graphics 4000. მოპყვება ოპერაციული სისტემა: Windows 8. პროდუქტის ფერი: ალუმინი, შავი





Design		Keyboard	
Product colour *	Aluminium, Black	Full-size keyboard	<b>✓</b>
Form factor *	Clamshell	Windows keys	✓
Country of origin	China	Software	
Display		Operating system architecture	64-bit
Display diagonal *	43.9 cm (17.3")	Drivers included	<b>√</b>
Display resolution *	1600 x 900 pixels	Operating system installed *	Windows 8
Touchscreen *	×	. 5 7	Windows 8
HD type	HD+	Processor special features	
LED backlight	<b>/</b>	Intel® Wireless Display (Intel® WiDi)	✓
Native aspect ratio Display diagonal (metric)	16:9 43.9 cm	Intel® My WiFi Technology (Intel® MWT)	<b>✓</b>
Processor		Intel® Anti-Theft Technology (Intel® AT)	<b>✓</b>
Processor manufacturer * Processor family *	Intel Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	•
Processor generation Processor model *	3rd gen Intel® Core™ i7 i7-3632QM	Intel® Hyper Threading Technology (Intel® HT Technology)	•
Processor cores	4	Intel® Turbo Boost Technology	2.0
Processor threads	8 3.2 GHz	Enhanced Intel SpeedStep Technology	<b>✓</b>
Processor boost frequency Processor frequency *	2.2 GHz	Intel® Clear Video HD Technology (Intel® CVT HD)	<b>✓</b>
System bus rate	5 GT/s	Intel Clear Video Technology	×
Processor cache	6 MB	Intel® InTru™ 3D Technology	<b>√</b>
Processor cache type Processor socket	Smart Cache Socket 1224	Intel® Insider™	<b>✓</b>
Processor lithography	22 nm	Intel® Quick Sync Video Technology	1
Processor operating modes	64-bit	Intel Flex Memory Access	· •
Processor series	Intel Core i7-3600 Mobile series	Intel® Smart Cache	·
Processor codename	Ivy Bridge	Intel® AES New Instructions (Intel®	•
Bus type	DMI	AES-NI)	✓
FSB Parity	×	Intel Trusted Execution Technology	×
Thermal Design Power (TDP)	35 W	Intel Enhanced Halt State	✓
Tjunction	105 °C	Intel VT-x with Extended Page Tables (EPT)	<b>✓</b>

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Processor		Processor special features	
Maximum number of PCI Express lanes	16	Intel Demand Based Switching	X
PCI Express slots version	3.0	Intel® Secure Key	✓
PCI Express social versions Number of processors supported	1x16, 2x8, 1x8+2x4 1	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	×
CPU multiplier (bus/core ratio)	22	Intel 64	<b>✓</b>
ECC supported by processor	×	Execute Disable Bit	<b>✓</b>
Memory		Idle States	<b>✓</b>
Internal memory *	4 GB	Thermal Monitoring Technologies	<b>✓</b>
Internal memory type	DDR3-SDRAM	Processor package size	37.5 x 37.5 (rPGA988B)
Memory clock speed	1333 MHz	Supported instruction sets	AVX
Memory slots	2x SO-DIMM	CPU configuration (max)	1
Maximum internal memory *	8 GB	Embedded options available	×
Storage		Graphics & IMC lithography	22 nm
Total storage capacity *	750 GB	Intel Virtualization Technology for	×
Storage media * Number of HDDs installed	HDD 1	Directed I/O (VT-d) Intel Identity Protection Technology version	1.00
HDD capacity	750 GB	Intel Secure Key Technology version	1.00
HDD interface	SATA II	Intel Virtualization Technology (VT-	·
HDD speed	5400 RPM	x)	•
HDD size Optical drive type *	2.5" DVD Super Multi DL	Intel Dual Display Capable Technology	✓
Card reader integrated	✓	Intel FDI Technology	<b>✓</b>
Graphics		Intel Rapid Storage Technology	×
Discrete graphics card model *	AMD Radeon HD 7650M	Intel Fast Memory Access	<b>✓</b>
Discrete graphics card memory	2 GB	Processor ARK ID	71458
Discrete graphics memory type	GDDR3	Conflict-Free processor	<b>✓</b>
On-board graphics card *	<b>✓</b>	Integrated 4G WiMAX	<b>✓</b>
		Dathami	
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Battery technology	Lithium-lon (Li-lon)
<b>5</b> .	-	•	Lithium-lon (Li-lon) 8
On-board graphics card family On-board graphics card model * On-board graphics card base	Intel® HD Graphics Intel® HD Graphics 4000	Battery technology Number of battery cells Battery capacity *	
On-board graphics card family On-board graphics card model * On-board graphics card base frequency	Intel® HD Graphics	Battery technology Number of battery cells	8
On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max)	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz 1150 MHz	Battery technology Number of battery cells Battery capacity * Battery life (max)	8 73 Wh 10.5 h
On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz 1150 MHz 0x166	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power	8 73 Wh 10.5 h
On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID Number of discrete graphics cards	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz 1150 MHz	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power  AC adapter frequency	8 73 Wh 10.5 h 90 W 50 - 60 Hz
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On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID Number of discrete graphics cards  Audio Audio system Built-in speaker(s) Number of built-in speakers Built-in microphone  Network Wi-Fi Networking features Wi-Fi standards Ethernet LAN	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz  1150 MHz  0x166 1  SRS Premium PRO	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power AC adapter frequency AC adapter input voltage AC adapter output voltage Power auto-sensing DC-in jack  Security  Cable lock slot  Operational conditions  Operating temperature (T-T)	8 73 Wh 10.5 h  90 W 50 - 60 Hz 100 - 240 V 19 V
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On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID Number of discrete graphics cards  Audio Audio system Built-in speaker(s) Number of built-in speakers Built-in microphone  Network  Wi-Fi Networking features Wi-Fi standards Ethernet LAN Ethernet LAN data rates Bluetooth	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz  1150 MHz  0x166 1  SRS Premium PRO  Compared to the second of	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power AC adapter frequency AC adapter input voltage AC adapter output voltage Power auto-sensing DC-in jack  Security  Cable lock slot  Operational conditions Operating relative humidity (H-H)  Certificates	8 73 Wh 10.5 h  90 W 50 - 60 Hz 100 - 240 V 19 V
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On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID Number of discrete graphics cards  Audio Audio system Built-in speaker(s) Number of built-in speakers Built-in microphone  Network Wi-Fi Networking features Wi-Fi standards Ethernet LAN Ethernet LAN Ethernet LAN data rates Bluetooth Cabling technology Networking standards  Ports & interfaces  USB 2.0 ports quantity *	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz  1150 MHz  0x166 1  SRS Premium PRO	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power AC adapter frequency AC adapter input voltage AC adapter output voltage Power auto-sensing DC-in jack  Security  Cable lock slot  Operational conditions  Operating temperature (T-T) Operating relative humidity (H-H)  Certificates  Compliance certificates  Sustainability  Sustainability certificates  Weight & dimensions	8 73 Wh 10.5 h  90 W 50 - 60 Hz 100 - 240 V 19 V
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On-board graphics card family On-board graphics card model * On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card ID Number of discrete graphics cards  Audio Audio system Built-in speaker(s) Number of built-in speakers Built-in microphone  Network Wi-Fi Networking features Wi-Fi standards Ethernet LAN Ethernet LAN Ethernet LAN data rates Bluetooth Cabling technology Networking standards  Ports & interfaces  USB 2.0 ports quantity * USB 3.2 Gen 1 (3.1 Gen 1) Type-A	Intel® HD Graphics Intel® HD Graphics 4000 650 MHz  1150 MHz  0x166 1  SRS Premium PRO	Battery technology Number of battery cells Battery capacity * Battery life (max)  Power  AC adapter power AC adapter frequency AC adapter input voltage AC adapter output voltage Power auto-sensing DC-in jack  Security  Cable lock slot  Operational conditions  Operating temperature (T-T) Operating relative humidity (H-H)  Certificates  Compliance certificates  Sustainability  Sustainability certificates  Weight & dimensions  Width Depth Height	8 73 Wh 10.5 h  90 W 50 - 60 Hz 100 - 240 V 19 V

Ports & interfaces		Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	×	Cables included	AC
VGA (D-Sub) ports quantity	1	Manual	✓
Headphone outputs	1	Warranty card	✓
S/PDIF out port	×	Other features	
Microphone in	✓		
ExpressCard slot	×	Infrared data port	X AMD latel
CardBus PCMCIA slot type	×	Graphics card family Type	AMD, Intel PC
SmartCard slot	×	Maximum internal memory (64-bit)	8 GB
Headphone connectivity	3.5 mm	Power supply type	AC/DC
Microphone connectivity	3.5 mm	Number of products included	1 pc(s)
Performance		Ethernet interface type	Gigabit Ethernet
Motherboard chipset	Intel HM76 Express	Number of speakers	2
Keyboard		Intel segment tagging	Enterprise
Pointing device	Touchpad		
Numeric keypad *	✓		
Spill-resistant keyboard	✓		





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