HP ProDesk 400 G1 SFF + W2072a Intel® Core™ i3 i3-4130 4 جيغابايت DDR3-SDRAM 500 جيغابايت سواقة قرص صلب Windows 7 إس إف إف جهاز الحاسوب الشخصي أسود Professional

العلامة التجارية : HP	**عائلة المنتجات**: ProDesk	**رمز المنتج**: D5S21EA#KIT1
اسم المنتج : 400 G1 SFF + W2072a		

طراز المعالج: Intel® Core™ i3, **ترددات المعالج**: 3,4 جيغاهرتز, **فئة المعالج** .HP ProDesk 400 G1 SFF + W2072a **سرعة ساعة الذاكرة**: 1600 ميجا هرتز. **سعة** DDR3-SDRAM, **الذاكرة الداخلية**: 4 جيغابايت, **نوع الذاكرة الداخلية** .i3-4130 **طراز** DVD. **التخزين الاجمالية**: 500 جيغابايت, **وسائط التخزين**: سواقة قرص صلب, **نوع محرك الأقراص الضوئية**: سوبر مالتي **تركيبة نظام** Windows 7 Professional, **نظام التشغيل المثبت** Intel® HD Graphics 4400. **موائم الرسوميات المدمج التشغيل**: 64-بيت. **جهاز تزويد الطاقة**: 240 عرض. **نوع الهيكل المعدني**: إس إف إف. **نوع المنتج**: جهاز الحاسوب الشخصي

Processor		**Performance**	
Processor manufacturer *	Intel	Motherboard chipset	Intel® H81
Processor family *	Intel® Core™ i3	Audio system	DTS Studio Sound
Processor generation	4th gen Intel® Core™ i3	Product type *	PC
Processor model *	i3-4130	**Software**	
Processor cores	2	Operating system installed *	Windows 7 Professional
Processor threads	4	Operating system architecture	64-bit
Processor frequency *	3.4 GHz	Recovery operating system	Windows 8.1 Pro
Processor socket	LGA 1150 (Socket H3)	**Processor special features**	
Processor cache	3 MB		
Processor cache type	Smart Cache	Intel® Wireless Display (Intel® WiDi)	✔
System bus rate	5 GT/s	Intel 64	✔
Bus type	DMI2	Enhanced Intel SpeedStep Technology	✔
FSB Parity	✗	Embedded options available	✗
Processor lithography	22 nm	Intel® InTru™ 3D Technology	✔
Processor operating modes	64-bit	Intel® Insider™	✗
Processor series	Intel Core i3-4100 Desktop series	Intel® Clear Video HD Technology (Intel® CVT HD)	✔
Processor codename	Haswell	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	65, 54	Intel VT-x with Extended Page Tables (EPT)	✔
Tcase	72 °C		
PCI Express slots version	3.0	Intel TSX-NI	✗
Maximum number of PCI Express lanes	16	Idle States	✔
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Thermal Monitoring Technologies	✔
Number of processors installed	1	Intel Stable Image Platform Program (SIPP)	✗
Stepping	C0		
Maximum internal memory supported by processor	32 GB	Intel® AES New Instructions (Intel® AES-NI)	✔
Memory types supported by processor	DDR3-1333/1600, DDR3L-1333/1600 @ 1.5V	Intel Trusted Execution Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Execute Disable Bit	✔
Memory bandwidth supported by processor (max)	25.6 GB/s		

Processor

ECC supported by processor	✔

Memory

Internal memory *	4 GB
Maximum internal memory *	16 GB
Internal memory type	DDR3-SDRAM
Memory layout (slots x size)	1 x 4 GB
Memory slots	2x DIMM
Memory clock speed	1600 MHz
Memory channels	Dual-channel

Storage

Total storage capacity *	500 GB
Storage media *	HDD
Optical drive type *	DVD Super Multi
Number of HDDs installed	1
HDD capacity	500 GB
HDD interface	SATA
HDD speed	7200 RPM

Graphics

On-board graphics card *	✔
Discrete graphics card model *	Not available
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4400
On-board graphics card base frequency	350 MHz
On-board graphics card dynamic frequency (max)	1150 MHz
Maximum on-board graphics card memory	1.74 GB
Number of displays supported (on-board graphics)	3
On-board graphics card DirectX version	11.1
On-board graphics card ID	0x41E

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Wi-Fi *	✘

Ports & interfaces

USB 2.0 ports quantity *	6
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
VGA (D-Sub) ports quantity	1
DVI port	✔
PS/2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
Serial ports quantity	1

Expansion slots

PCI Express x1 slots	3
PCI Express x16 slots	1

Design

Chassis type *	SFF
Number of 3.5" bays	2
Number of 2.5" bays	1

Processor special features

Intel FDI Technology	✘
Intel Flex Memory Access	✘
Intel Fast Memory Access	✘
Intel Enhanced Halt State	✔
Intel Demand Based Switching	✘
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✘
Processor package size	37.5 x 37.5 mm
Supported instruction sets	AVX 2.0
Scalability	1S
CPU configuration (max)	1
Graphics & IMC lithography	22 nm
Thermal solution specification	PCG 2013C
Intel Virtualization Technology for Directed I/O (VT-d)	✘
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	0.00
Intel Dual Display Capable Technology	✘
Intel Rapid Storage Technology	✘
Processor ARK ID	77480
Intel® Turbo Boost Technology	✘
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Quick Sync Video Technology	✔
Intel® My WiFi Technology (Intel® MWT)	✘
Intel® Anti-Theft Technology (Intel® AT)	✘
Conflict-Free processor	✔

Power

Power supply *	240 W

Sustainability

Sustainability certificates	ENERGY STAR

Weight & dimensions

Width *	337 mm
Depth *	380.5 mm
Height *	100 mm
Weight *	5.9 kg

Packaging content

Mouse included	✔
Keyboard included	✔

Display

Display included *	✔
Display diagonal	50.8 cm (20")
Display resolution	1600 x 900 pixels
Native aspect ratio	16:9
Contrast ratio (typical)	600:1
Display brightness	200 cd/m²

Other features

Optical drives quantity	1
Intel segment tagging	Enterprise, Small Business

Design		Other features	
Product colour *	Black	BD interface type	SATA
Country of origin	China		