

## ASUSPRO B8230UA-GH0057E Intel® Core™ i5 i5-6200U Laptop 31,8 cm (12.5") Full HD 8 GB DDR4-SDRAM 256 GB SSD Windows 7 Professional Black

**Brand :** ASUS

**Product family:** ASUSPRO

**Product code:**  
KIT0033100158785

**Product name :** B8230UA-  
GH0057E

Intel Core i5-6200U (2.3GHz, 3M Cache), 8GB RAM, 256GB SSD, Intel HD Graphics 520, WLAN 802.11, 4G, Ethernet, Windows 7 Pro/10 Pro  
ASUSPRO B8230UA-GH0057E. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-6200U, Processor frequency: 2,3 GHz. Display diagonal: 31,8 cm (12.5"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Mobile network generation: 4G. Operating system installed: Windows 7 Professional. Product colour: Black



Design		Software	
Product type *	Laptop	Operating system architecture	64-bit
Product colour *	Black	Recovery operating system	Windows 10 Pro
Form factor *	Clamshell	Operating system installed *	Windows 7 Professional
Market positioning	Business	<b>Processor special features</b>	
<b>Display</b>		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	31.8 cm (12.5")	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel® Smart Response Technology	✓
Touchscreen *	✗	Intel® Identity Protection Technology (Intel® IPT)	✓
HD type	Full HD	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
LED backlight	✓	Intel® Turbo Boost Technology	2.0
Native aspect ratio	16:9	Intel® Small Business Advantage (Intel® SBA)	✓
Display surface	Matt	Enhanced Intel SpeedStep Technology	✓
<b>Processor</b>		Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor manufacturer *	Intel	Intel Clear Video Technology	✓
Processor family *	Intel® Core™ i5	Intel® InTru™ 3D Technology	✓
Processor generation	6th gen Intel® Core™ i5	Intel® Insider™	✓
Processor model *	i5-6200U	Intel® Quick Sync Video Technology	✓
Processor cores	2	Intel Flex Memory Access	✓
Processor threads	4	Intel® Smart Cache	✓
Processor boost frequency	2.8 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor frequency *	2.3 GHz	Intel Trusted Execution Technology	✗
System bus rate	4 GT/s	Intel Enhanced Halt State	✓
Processor cache	3 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel® Secure Key	✓
Processor socket	LGA 1356 (Socket B2)	Intel TSX-NI	✗
Processor lithography	14 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-6200 series		
Processor codename	Skylake		
Bus type	QPI		
Stepping	D1		
Thermal Design Power (TDP)	15 W		
Configurable TDP-up frequency	2.4 GHz		

Processor		Processor special features	
Configurable TDP-up	25 W	Intel Stable Image Platform Program (SIPP)	✗
Configurable TDP-down	7.5 W	Intel® OS Guard	✓
Configurable TDP-down frequency	0.8 GHz	Intel Software Guard Extensions (Intel SGX)	✓
Tjunction	100 °C	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Maximum number of PCI Express lanes	12	Intel 64	✓
PCI Express slots version	3.0	Execute Disable Bit	✓
PCI Express configurations	1x4, 4x1	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Processor package size	42 X 24 mm
Internal memory *	8 GB	Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Internal memory type	DDR4-SDRAM	Processor code	SR2EY
Memory clock speed	2133 MHz	CPU configuration (max)	1
Memory form factor	On-board + SO-DIMM	Embedded options available	✗
Memory slots	1x SO-DIMM	Graphics & IMC lithography	14 nm
Maximum internal memory *	24 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Storage		Intel Identity Protection Technology version	1.00
Total storage capacity *	256 GB	Intel Smart Response Technology version	1.00
Storage media *	SSD	Intel Stable Image Platform Program (SIPP) version	0.00
SSD capacity	256 GB	Intel Secure Key Technology version	1.00
SSD interface	SATA III	Intel Small Business Advantage (SBA) version	1.00
SSD form factor	M.2	Intel TSX-NI version	1.00
Optical drive type *	✗	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Processor ARK ID	88193
Compatible memory cards	SD, SDHC, SDXC	Conflict-Free processor	✓
Graphics		Battery	
Discrete graphics card model *	Not available	Battery technology	Lithium Polymer (LiPo)
On-board graphics card *	✓	Number of battery cells	3
Discrete graphics card *	✗	Battery capacity *	49 Wh
On-board graphics card model *	Intel® HD Graphics 520	Power	
On-board graphics card base frequency	300 MHz	AC adapter power	65 W
On-board graphics card dynamic frequency (max)	1000 MHz	AC adapter frequency	50 - 60 Hz
Maximum on-board graphics card memory	1.74 GB	AC adapter input voltage	100 - 240 V
On-board graphics card DirectX version	12.0	AC adapter output current	3.42 A
On-board graphics card OpenGL version	4.4	AC adapter output voltage	19 V
On-board graphics card ID	1916	DC-in jack	✓
Audio		Security	
Speaker power	1.5 W	Cable lock slot	✓
Built-in microphone	✓	Cable lock slot type	Kensington
Camera		Fingerprint reader	✓
Front camera	✓	Trusted Platform Module (TPM)	✓
Network		Password protection	✓
Mobile network generation	4G	Password protection type	BIOS, HDD, User
4G standard	LTE	Certificates	
Wi-Fi	✓	Compliance certificates	RoHS
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Certification	UL, TUV, CE Marking Compliance, FCC Compliance, BSMI, Australia C-TICK / NZ A-Tick Compliance, CCC, GOST-R, CB, EPEAT, Energy star, IDA, WEEE, Erp 2013, RoHS
Mobile network connection *	✓		
Ethernet LAN	✓		
Ethernet LAN data rates	10,100,1000 Mbit/s		
Bluetooth	✓		
Bluetooth version	4.1		

Ports & interfaces		Sustainability	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3	Sustainability certificates	ENERGY STAR
Ethernet LAN (RJ-45) ports	1	Weight & dimensions	
Mini DisplayPorts quantity	1	Width	310 mm
DVI port	✗	Depth	215 mm
VGA (D-Sub) ports quantity	1	Height (front)	1.29 cm
Combo headphone/mic port	✓	Height (rear)	2.06 cm
Docking connector	✗	Weight *	1.37 kg
SmartCard slot	✓		
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✗		
Keyboard backlit	✓		
Windows keys	✓		

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