



## Lenovo Essential G770 Intel® Core™ i3 i3-2310M 43.9 cm (17.3") HD+ 4 GB DDR3-SDRAM 500 GB Windows 7 Home Premium

**Brand :** Lenovo

**Product family:** Essential

**Product code:** M5336UK

**Product name :** G770

Essential G770 - Intel Core i3-2310M (2.1 GHz), 4GB DDR3 RAM, 500GB SATA HDD, 17.3" HD+ (1600x900), Fast Ethernet, WLAN 802.11 b/g/n, DVD-RW, webcam, Windows 7 Home Premium 64-bit  
Lenovo Essential G770. Processor family: Intel® Core™ i3, Processor model: i3-2310M, Processor frequency: 2.1 GHz. Display diagonal: 43.9 cm (17.3"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics 3000. Operating system installed: Windows 7 Home Premium. Weight: 3 kg



- VGA
- DisplayPort
- USB
- USB 2.0 ports
- Wireless LAN switch
- Multiple Card Reader
- Headphone control jack
- Microphone control jack
- Optical disk drive
- Power

Display		Keyboard	
Display diagonal *	43.9 cm (17.3")	Numeric keypad *	✓
Display resolution *	1600 x 900 pixels	Full-size keyboard	✓
HD type	HD+		
Native aspect ratio	16:9		
Processor		Software	
		Operating system architecture	64-bit
		Operating system installed *	Windows 7 Home Premium
		Processor special features	
Processor manufacturer *	Intel	Intel® Wireless Display (Intel® WiDi)	✓
Processor family *	Intel® Core™ i3	Intel® My WiFi Technology (Intel® MWT)	✓
Processor generation	2nd gen Intel® Core™ i3	Intel® Anti-Theft Technology (Intel® AT)	✓
Processor model *	i3-2310M	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores	2	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	4	Intel® Turbo Boost Technology	✗
Processor frequency *	2.1 GHz	Enhanced Intel SpeedStep Technology	✓
System bus rate	5 GT/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache	3 MB	Intel Clear Video Technology	✗
Processor cache type	Smart Cache	Intel® InTru™ 3D Technology	✓
Processor socket	BGA 1023	Intel® Insider™	✓
Processor lithography	32 nm	Intel® Quick Sync Video Technology	✓
Processor operating modes	64-bit	Intel Flex Memory Access	✓
Processor series	Intel Core i3-2300 Mobile Series	Intel® AES New Instructions (Intel® AES-NI)	✗
Processor codename	Sandy Bridge	Intel Trusted Execution Technology	✗
Bus type	DMI	Intel Enhanced Halt State	✓
FSB Parity	✗	Intel VT-x with Extended Page Tables (EPT)	✓
Stepping	J1	Intel Demand Based Switching	✗
Thermal Design Power (TDP)	35 W		
Tjunction	100 °C		
Maximum number of PCI Express lanes	16		
PCI Express slots version	2.0		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
CPU multiplier (bus/core ratio)	21		
ECC supported by processor	✗		
Memory			
Internal memory *	4 GB		

Memory		Processor special features	
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory clock speed	1333 MHz	Intel 64	✓
Memory slots	2x SO-DIMM	Execute Disable Bit	✓
Maximum internal memory *	8 GB	Idle States	✓
Storage		Thermal Monitoring Technologies	✓
Total storage capacity *	500 GB	Processor package size	37.5 x 37.5 x rPGA988B); 31 x 24 (BGA1023)
Number of HDDs installed	1	Supported instruction sets	AVX
HDD capacity	500 GB	Processor code	SR04S
HDD interface	SATA	CPU configuration (max)	1
Optical drive type *	DVD-RW	Embedded options available	✗
Card reader integrated	✓	Graphics & IMC lithography	32 nm
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, xD	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Identity Protection Technology version	1.00
On-board graphics card *	✓	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Dual Display Capable Technology	✓
On-board graphics card model *	Intel® HD Graphics 3000	Intel FDI Technology	✓
On-board graphics card base frequency	650 MHz	Intel Rapid Storage Technology	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel Fast Memory Access	✓
On-board graphics card ID	0x116	Processor ARK ID	52220
Audio		Conflict-Free processor	✗
Number of built-in speakers	2	Integrated 4G WiMAX	✓
Speaker power	1.5 W	Power	
Built-in microphone	✓	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Networking features	Fast Ethernet	Cable lock slot type	Kensington
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Ethernet LAN	✓	Width	416 mm
Bluetooth	✗	Depth	272 mm
Cabling technology	10/100Base-T(X)	Height (front)	3.61 cm
Ports & interfaces		Height (rear)	4.49 cm
USB 2.0 ports quantity *	4	Weight *	3 kg
Ethernet LAN (RJ-45) ports	1	Packaging content	
HDMI ports quantity *	1	AC adapter included *	✓
DVI port	✗	Other features	
VGA (D-Sub) ports quantity	1	Infrared data port	✗
Headphone outputs	1	Type	PC
S/PDIF out port	✗	Compliance industry standards	IEEE 802.3, IEEE 802.3u
Microphone in	✓		
Docking connector	✗		
ExpressCard slot	✗		
CardBus PCMCIA slot type	✗		
SmartCard slot	✗		
Performance			
Motherboard chipset	Intel® HM65 Express		

## Catalog Object Cloud



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