



LG Z series 15Z970-GA77J **Intel® Core™ i7 i7-7500U**
39,6 cm (15.6") **16 GB DDR4-SDRAM** **512 GB SSD**
Windows 10 Home



Brand : LG

Product family: Z series

Product code: 15Z970-GA77J

Product name : 15Z970-GA77J

Общие сведения		Оформление и материалы	
Материал корпуса *	Алюминий	Количество дисков	1
Материал клавиатуры *	Алюминий, пластик	Оформление	
Цвет корпуса *	Серебристый	Материал корпуса	Алюминий
Экран		Матрица дисплея *	✓
Диагональ экрана *	39,6 cm (15.6")	Матрица дисплея	✓
Разрешение экрана *	1920 x 1080 точек	Матрица дисплея	✓
Тип матрицы *	✓	Операционная система	
Тип экрана	IPS	Битность процессора	64-bit
LCD подсветка	✓	Операционная система *	Windows 10 Home
Соотношение сторон экрана	16:9	Процессор	
Процессор		Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Производитель *	Intel	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Модель *	Intel® Core™ i7	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Серия	7th gen Intel® Core™ i7	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Модель *	i7-7500U	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Число ядер	2	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Число потоков	4	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная частота	3,5 GHz	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Частота базовой частоты *	2,7 GHz	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Частота Turbo Boost	4 GT/сек	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Объем кэша	4 MB	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Тип кэша	Smart Cache	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Тип корпуса	BGA 1356	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Технология	14 nm	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Архитектура	64-bit	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Семейство	Kaby Lake	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Тип охлаждения	OPI	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Мощность	H0	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная мощность (TDP)	15 W	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная частота Turbo Boost (TDP-безопасно)	2,9 GHz	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная частота Turbo Boost (TDP-полно)	25 W	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная частота Turbo Boost (TDP-полно)	7,5 W	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓
Максимальная частота Turbo Boost (TDP-полно)	0,8 GHz	Процессор	Intel® Core™ i7 (Intel® WiDi) ✓

System		System	
Operating temperature	100 °C	Operating temperature range	✓
PCI Express slots	12	PCI Express slots	✓
PCI Express version	3.0	PCI Express version	✓
PCI Express configurations	1x2+2x1, 1x4, 2x2, 4x1	PCI Express configurations (SIPP)	✓
PCI Express ECC	✗	PCI Express ECC	✓
Memory		Memory	
Memory capacity *	16 GB	Memory capacity	✓
Memory type	DDR4-SDRAM	Memory type	✓
Memory speed	2133 MHz	Memory speed	✓
Storage		Storage	
Storage capacity *	512 GB	Storage capacity	✓
Storage type *	SSD	Storage type	✓
Storage format	1	Storage format	✓
SSD capacity	512 GB	SSD capacity	✓
SSD interface	SATA III	SSD interface	✓
Storage security *	✗	Storage security	✓
Storage security	✓	Storage security	✓
Storage format	MicroSD (TransFlash)	Storage format	42 x 24 mm
Graphics		Graphics	
GPU type *	✓	CPU type	AVX 2.0, SSE4.1, SSE4.2
GPU type *	✗	CPU type	SR2ZV
GPU type	Intel® HD Graphics	CPU type	1
GPU type *	Intel® HD Graphics 620	CPU type	✗
GPU frequency	300 MHz	CPU type	14 nm
GPU frequency	1050 MHz	CPU type	✓
GPU memory	32 GB	CPU type	1,00
GPU memory	12.0	CPU type	1,00
GPU memory	4.4	CPU type	0,00
GPU memory ID	0x5916	CPU type	1,00
GPU memory	4096 x 2160	CPU type	0,00
Power		Power	
Power consumption	2	Power consumption	40 W
Power consumption	2 W	Power consumption	50 - 60 Hz
Display		Display	
Display resolution	✓	Display resolution	100 - 240 V
Display resolution	720p	Display resolution	✓
Network		Network	
Network type	✓	Network type	357,6 mm
Network type	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Network type	228,4 mm
Network speed	867 Mbit/s	Network type	16,8 mm
Network interface	✓	Network type	1,09 kg
Network interface	10,100,1000 Mbit/s	Network type	✓
Network interface	✓	Network type	AC
Network interface	4.1	Network type	AC
Ports		Ports	
USB 2.0 ports *	1	USB 2.0 ports *	✓
USB 3.2 (3.1 Gen 1) Type-A ports *	2	USB 3.2 (3.1 Gen 1) Type-A ports *	✓
USB 3.2 (3.1 Gen 1) Type-C ports *	1	USB 3.2 (3.1 Gen 1) Type-C ports *	✓

Table 1: Input/Output Specifications

HDMI Input/Output *	1
HDMI Input	1.4
DVI Input	✗

Table 2: Performance Specifications

Resolution Support	Supports 4K@60Hz (max 45) ✓
Refresh Rate Support	✓
Color Depth Support	✓

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