Acer TravelMate P6 P658-MG-749P Intel® Core™ i7 i7-6500U Laptop 39.6 cm (15.6") Full HD 8 GB DDR4-SDRAM 256 GB SSD NVIDIA® GeForce® 940M 802.11ad Windows 7 Professional Black



Brand : Acer **Product family:** TravelMate **Product code:** NX.VD2AA.001

Product name : P658-MG-749P

15.6", 1920 x 1080, Intel Core i7-6500U 2.5GHz, Intel HD Graphics 520 + NVIDIA GeForce 940M 2GB, 8GB DDR4 SDRAM, 256GB SSD, 802.11ad, USB 3.0, HDMI, VGA, 4850 mAh LiPo, Windows 7 Pro 64-bit Acer TravelMate P6 P658-MG-749P. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-6500U, Processor frequency: 2.5 GHz. Display diagonal: 39.6 cm (15.6"), 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. On-board graphics card model: Intel® HD Graphics 520. Operating system installed: Windows 7 Professional. Product colour: Black



Design	
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell

Display	
Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✗
HD type	Full HD
LED backlight	✓
Native aspect ratio	16:9

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	6th gen Intel® Core™ i7
Processor model *	i7-6500U
Processor cores	2
Processor threads	4
Processor boost frequency	3.1 GHz
Processor frequency *	2.5 GHz
System bus rate	4 GT/s
Processor cache	4 MB
Processor cache type	Smart Cache
Processor socket	LGA 1356 (Socket B2)
Processor lithography	14 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-6500 Mobile series
Processor codename	Skylake
Bus type	OPI
FSB Parity	✗
Stepping	D1
Thermal Design Power (TDP)	15 W

Keyboard	
Windows keys	✓

Software	
Operating system architecture	64-bit
Optional operating system supplied	Windows 10 Pro
Operating system installed *	Windows 7 Professional

Processor special features	
Intel® Wireless Display (Intel® WiDi)	✓
Intel® My WiFi Technology (Intel® MWT)	✓
Intel® Anti-Theft Technology (Intel® AT)	✗
Intel® Smart Response Technology	✓
Intel® Identity Protection Technology (Intel® IPT)	✓
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✓
Enhanced Intel SpeedStep Technology	✓
Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Intel Clear Video Technology	✓
Intel® InTru™ 3D Technology	✓
Intel® Insider™	✓
Intel® Quick Sync Video Technology	✓
Intel Flex Memory Access	✓
Intel® Smart Cache	✓
Intel® AES New Instructions (Intel® AES-NI)	✓
Intel Trusted Execution Technology	✗

Processor	
Configurable TDP-up frequency	2.6 GHz
Configurable TDP-up	25 W
Configurable TDP-down	7.5 W
Configurable TDP-down frequency	0.8 GHz
Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	3.0
PCI Express configurations	1x4, 4x1
ECC supported by processor	✗

Memory	
Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Maximum internal memory *	20 GB

Storage	
Total storage capacity *	256 GB
Storage media *	SSD
Number of SSDs installed	1
SSD capacity	256 GB
SSD interface	SATA III
Optical drive type *	✗
Card reader integrated	✓
Compatible memory cards	SD, SDXC

Graphics	
Discrete graphics card model *	NVIDIA® GeForce® 940M
Discrete graphics card memory	2 GB
On-board graphics card *	✓
Discrete graphics card *	✓
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 520
On-board graphics card base frequency	300 MHz
On-board graphics card dynamic frequency (max)	1050 MHz
Maximum on-board graphics card memory	1.74 GB
On-board graphics card DirectX version	12.0
On-board graphics card OpenGL version	4.4
On-board graphics card ID	1916
Number of discrete graphics cards supported	1
Number of discrete graphics cards installed	1

Audio	
Built-in microphone	✓

Camera	
Front camera	✓

Network	
Wi-Fi	✓
Top Wi-Fi standard *	802.11ad
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11ad, 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s

Processor special features	
Intel Enhanced Halt State	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✗
Intel® Secure Key	✓
Intel TSX-NI	✗
Intel Stable Image Platform Program (SIPP)	✗
Intel® OS Guard	✓
Intel Software Guard Extensions (Intel SGX)	✓
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Intel 64	✓
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Processor package size	42 X 24 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0
Processor code	SR2EZ
CPU configuration (max)	1
Embedded options available	✗
Graphics & IMC lithography	14 nm
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel Identity Protection Technology version	1.00
Intel Smart Response Technology version	1.00
Intel Stable Image Platform Program (SIPP) version	0.00
Intel Secure Key Technology version	1.00
Intel Small Business Advantage (SBA) version	1.00
Intel TSX-NI version	1.00
Intel Virtualization Technology (VT-x)	✓
Intel Dual Display Capable Technology	✗
Intel FDI Technology	✗
Intel Rapid Storage Technology	✗
Intel Fast Memory Access	✗
Processor ARK ID	88194
Conflict-Free processor	✓

Battery	
Battery technology	Lithium Polymer (LiPo)
Number of battery cells	3
Battery capacity	4850 mAh

Power	
AC adapter power	65 W
DC-in jack	✓

Security	
Fingerprint reader	✓

Weight & dimensions	
Width	381 mm
Depth	254 mm
Height	22.9 mm
Weight *	2.3 kg

Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✗
VGA (D-Sub) ports quantity	1
Thunderbolt 3 ports quantity	1
Headphone outputs	1
Docking connector	✔

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✔
Keyboard backlit	✔

Packaging content	
AC adapter included *	✔

Other features	
Intel segment tagging	Enterprise, Industrial

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