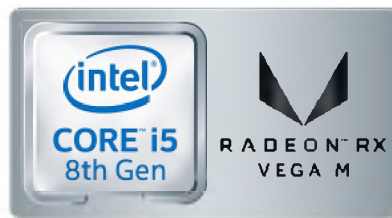


PROCESOR INTEL® CORE™ i5-8305G

(6 MB pamięci cache, do 3,80 GHz)



Dane techniczne

Niezbędne zasoby

Vertical Segment

Mobile

Processor Number

i5-8305G

Status

Launched

Launch Date

Q1'18

Lithography

14 nm

Wydajność

# of Threads	8
# of Cores	4
Cache	6 MB
TDP	45.0 W
Processor Base Frequency	2.80 GHz
Bus Speed	8 GT/s DMI
Max Turbo Frequency	3.80 GHz

Informacje dodatkowe

Embedded Options Available	No
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Dane techniczne pamięci

Max Memory Bandwidth	37.5 GB/s
ECC Memory Supported [†]	No
Max # of Memory Channels	2
Memory Types	DDR4-2400
Max Memory Size (dependent on memory type)	64 GB

Dane techniczne grafiki

OpenGL* Support	4.4
Graphics Max Dynamic Frequency	1.00 GHz
Max Resolution (DP)‡	4096 x 2160 @60Hz
Max Resolution (eDP - Integrated Flat Panel)‡	4096 x 2160 @60Hz

Graphics Output	eDP 1.4, DP
DirectX* Support	12
Graphics Video Max Memory	64 GB
Intel® Clear Video HD Technology	Yes
# of Displays Supported [†]	3
Intel® Quick Sync Video	Yes
Intel® Clear Video Technology	Yes
Max Resolution (HDMI 1.4)‡	4096 x 2160 @30Hz
Intel® InTru™ 3D Technology	Yes
Graphics Base Frequency	350.0 MHz
4K Support	Yes, at 60Hz

Opcje rozszerzeń

Max # of PCI Express Lanes	8
PCI Express Revision	3.0
PCI Express Configurations [†]	Up to 1x8, 2x4

Dane techniczne pakietu

Low Halogen Options Available	No
Max CPU Configuration	1
T _{JUNCTION}	100°C
Package Size	31mm x 58.5mm

Technologie zaawansowane

Intel® Virtualization Technology (VT-x) †	Yes
Intel® Hyper-Threading Technology †	Yes
Intel® Flex Memory Access	Yes
Intel® 64 †	Yes
Instruction Set Extensions	SSE4.1/4.2, AVX2
Intel® TSX-NI	No
Intel® Smart Response Technology	Yes
Instruction Set	64-bit
Intel® Virtualization Technology for Directed I/O (VT-d) †	Yes
	Intel® Identity Protection Technology †
Yes	
Intel® Turbo Boost Technology †	2.0
Thermal Monitoring Technologies	Yes
Idle States	Yes
Intel® My WiFi Technology	Yes
Intel® vPro Technology †	No
Intel® VT-x with Extended Page Tables (EPT) †	Yes
Intel® Stable Image Platform Program (SIPP)	No
	Enhanced Intel SpeedStep® Technology
Yes	
Intel® Speed Shift Technology	Yes
Niezawodność i bezpieczeństwo	

Secure Key	Yes
Intel® AES New Instructions	Yes
Trusted Execution Technology †	No
Intel® Memory Protection Extensions (Intel® MPX)	Yes
OS Guard	Yes
Intel® Software Guard Extensions (Intel® SGX)	Yes
Execute Disable Bit †	Yes