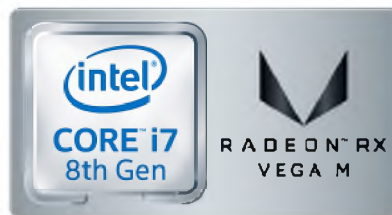


# PROCESOR INTEL® CORE™ i7-8706G

(8 MB pamięci cache, do 4,10 GHz)



## Dane techniczne

Niezbędne zasoby

Status Launched

Vertical Segment Mobile

Processor Number i7-8706G

Launch Date Q1'18

Lithography 14 nm

Wydajność

# of Cores	4
Cache	8 MB
# of Threads	8
Processor Base Frequency	3.10 GHz
Bus Speed	8 GT/s DMI
Max Turbo Frequency	4.10 GHz

#### Informacje dodatkowe

Embedded Options Available	No
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#### Dane techniczne pamięci

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

#### Dane techniczne grafiki

# of Displays Supported <sup>†</sup>	3
Graphics Base Frequency	350.0 MHz
Intel® Clear Video Technology	Yes
DirectX* Support	12
Max Resolution (HDMI 1.4)‡	4096 x 2160 @30Hz

Max Resolution (eDP - Integrated Flat Panel)‡	4096 x 2160
Graphics Max Dynamic Frequency	1.10 GHz
Intel® InTru™ 3D Technology	Yes
Intel® Quick Sync Video	Yes
Max Resolution (DP)‡	4096 x 2160 @60Hz
OpenGL* Support	4.4
4K Support	Yes, at 60Hz
Intel® Clear Video HD Technology	Yes
Graphics Video Max Memory	64 GB
Graphics Output	eDP 1.4, DP 1.2, HDMI 1.4, DVI

#### Opcje rozszerzeń

Max # of PCI Express Lanes	8
PCI Express Configurations <sup>†</sup>	Up to 1x8, 2x4
PCI Express Revision	3.0

#### Dane techniczne pakietu

Low Halogen Options Available	No
Max CPU Configuration	1
T <sub>JUNCTION</sub>	100°C
Package Size	31mm x 58.5mm

#### Technologie zaawansowane

Intel® Hyper-Threading Technology <sup>†</sup>	Yes
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Intel® Virtualization Technology (VT-x) †	Yes
Intel® TSX-NI	Yes
Intel® Smart Response Technology	Yes
Thermal Monitoring Technologies	Yes
Intel® Identity Protection Technology †	Yes
Intel® My WiFi Technology	Yes
Intel® Turbo Boost Technology †	2.0
Enhanced Intel SpeedStep® Technology	Yes
Intel® 64 †	Yes
Instruction Set	64-bit
Idle States	Yes
Intel® vPro Technology †	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) †	Yes
Intel® Speed Shift Technology	Yes
Instruction Set Extensions	SSE4.1/4.2, AVX2
Intel® VT-x with Extended Page Tables (EPT) †	Yes
	Intel® Stable Image Platform Program (SIPP)
Yes	
Intel® Flex Memory Access	Yes
Niezawodność i bezpieczeństwo	
Trusted Execution Technology †	Yes

Intel® Software Guard Extensions (Intel® SGX) Yes

Intel® AES New Instructions Yes

OS Guard Yes

Intel® Memory Protection Extensions (Intel® MPX) Yes

Execute Disable Bit<sup>†</sup>

Yes

Secure Key Yes