

Graphics		Processor special features	
Number of displays supported (on-board graphics)	4	Intel Turbo Boost Max Technology 3.0	✗
On-board graphics card DirectX version	12.0	Intel® Optane™ Memory Ready	✓
On-board graphics card OpenGL version	4.5	Intel® Boot Guard	✓
On-board graphics card maximum resolution (DisplayPort)	7680 x 4320 pixels	Intel® Deep Learning Boost (Intel® DL Boost)	✓
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	5120 x 3200 pixels	Intel® Volume Management Device (VMD)	✓
On-board graphics card maximum resolution (HDMI)	4096 x 2160 pixels	Mode-based Execute Control (MBE)	✓
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Intel® Standard Manageability (ISM)	✓
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	120 Hz	Intel® Threat Detection Technology (TDT)	✓
On-board graphics card refresh rate at maximum resolution (HDMI)	60 Hz		
On-board graphics card ID	0x4692 / 0x4682		
Discrete graphics card model *	Not available		
Number of execution units	24		
Multi-Format Codec Engines	1		
Features		Operational conditions	
Execute Disable Bit	✓	Tjunction	100 °C
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Desktop	Technical details	
Use conditions	PC/Client/Tablet	Target market	Gaming
		OpenCL version	2.1
		Launch date	Q1'22
		Status	Launched
		Packaging data	
		Package type	Retail box
		Weight & dimensions	
		Processor package size	45 x 37.5 mm
		Other features	
		Maximum internal memory	128 GB
		Graphics output	eDP 1.4b, DP 1.4a, HDMI 2.1



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