8ᵀᴴ GEN INTEL® CORE™ PROCESSORS FOR GAMING AND VR

POWER DESIGNED FOR WHAT'S NEXT

AMAZING PERFORMANCE & RESPONSIVENESS

Campaign Materials

Video

FLUID GAMING

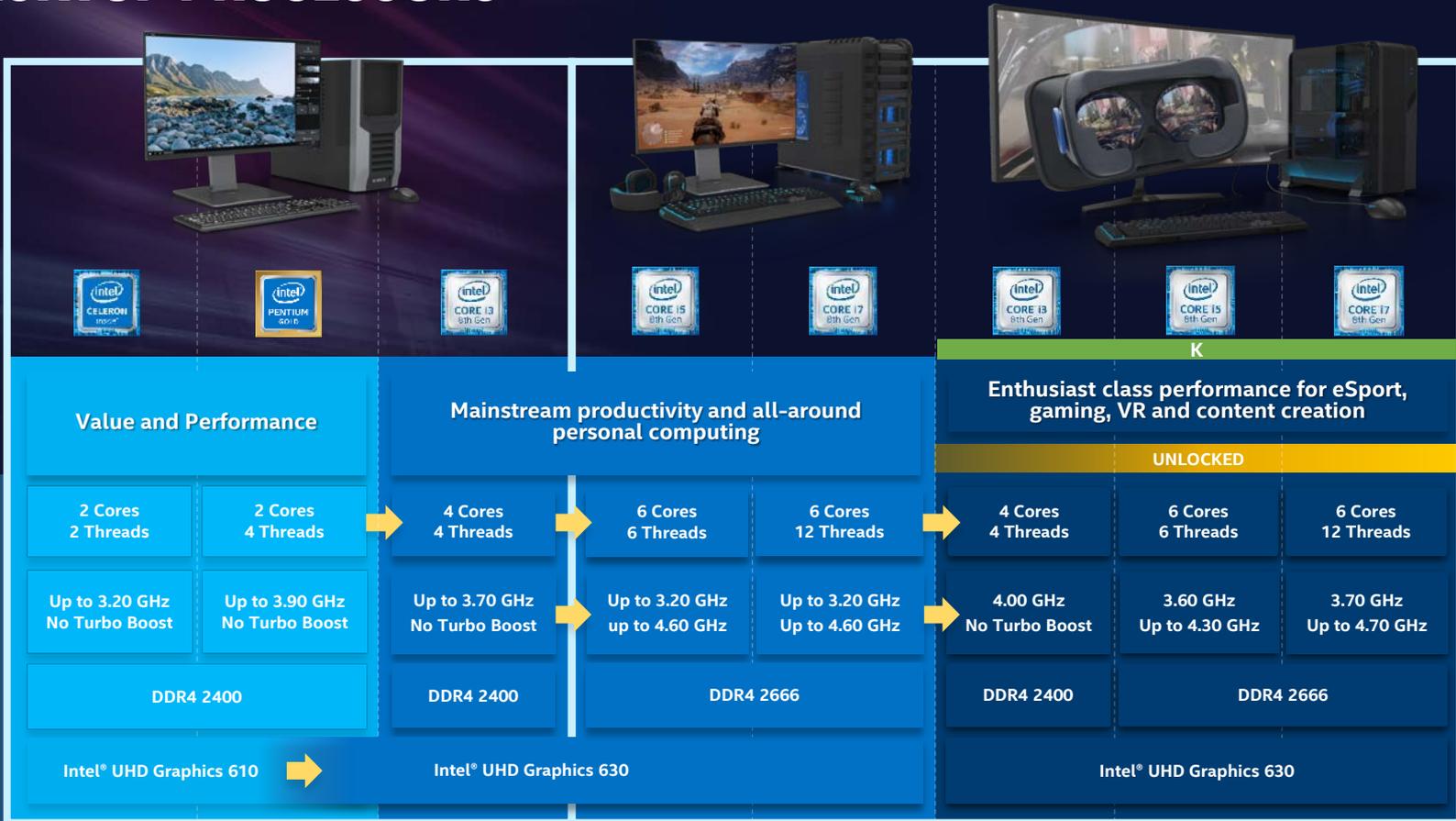Campaign Materials

Video

GREAT FOR VIRTUAL REALITY

Learn More

INTEL® DESKTOP PROCESSORS

Intel® Core	i7	-	8	700	K
Intel® Core	i7	-	8	700	

- **Intel® Brand**
- **Intel® Processor Generation**
- **Intel® Processor SKU**
- **Intel® Processor Series**

Best For

Higher processor frequency can improve performance

Increased cores allows more work to be done simultaneously.

System memory should scale with application demands

Integrated Graphics for increased performance

Value and Performance		Mainstream productivity and all-around personal computing			Enthusiast class performance for eSport, gaming, VR and content creation
					K
					UNLOCKED
2 Cores 2 Threads	2 Cores 4 Threads	4 Cores 4 Threads	6 Cores 6 Threads	6 Cores 12 Threads	4 Cores 4 Threads · 6 Cores 6 Threads · 6 Cores 12 Threads
Up to 3.20 GHz No Turbo Boost	Up to 3.90 GHz No Turbo Boost	Up to 3.70 GHz No Turbo Boost	Up to 3.20 GHz up to 4.60 GHz	Up to 3.20 GHz Up to 4.60 GHz	4.00 GHz No Turbo Boost · 3.60 GHz Up to 4.30 GHz · 3.70 GHz Up to 4.70 GHz
DDR4 2400		DDR4 2400	DDR4 2666		DDR4 2400 · DDR4 2666
Intel® UHD Graphics 610		Intel® UHD Graphics 630			Intel® UHD Graphics 630

8TH GEN INTEL® CORE™ PROCESSORS FOR GAMING

AMAZING PERFORMANCE & RESPONSIVENESS

- First 6-core Intel® Core™ i5 desktop processor
- First 4-core Intel® Core™ i3 desktop processor
- Enhanced tuneability to optimize processor and memory performance

FLUID GAMING

- A wide range of performance options for gamers
- Unlocked SKUs available at each Intel® Core™ brand
- Launch games quickly with Intel® Optane™ memory

GAMING MARKET OVERVIEW

PC gaming growing in popularity driven by key trends – eSports, streaming, social

The global gaming industry is a ±140B Market[1]

~750M	~620M	~385M
Paying PC Gamers[1]	Online PC Gaming Viewership[1]	eSports Audience[2]

1. Source: Gartner, IDC, IDG, Newzoo, SuperData, company filings
2. Source: Newzoo 2017 Global Esports Market Report

8th Gen Intel® Core™ Desktop Processors are only compatible with Intel® 300 Series Chipsets

Intel® 300 Series
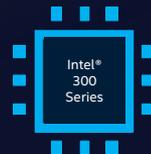
8TH GEN INTEL® CORE™ PROCESSORS FOR VIRTUAL REALITY

Processor performance is critical to drive a great VR experience. It creates the virtual world, the objects and the interactions that are rendered by the GPU.

High-performance CPUs bring VR experiences to life, putting the **REALITY** in Virtual Reality

MEGA-TASKING

DIFFERENTIATED AUDIO & VISUALS

FRAME RATE CONSISTENCY

ESTIMATED
$18B MARKET
IN 2018[1]

ESTIMATED TO BE A
$159B MARKET
BY 2021[1]

ESL VR CHALLENGER LEAGUE POWERED BY INTEL

1. Source: IDC's Worldwide Semiannual Augmented and Virtual Reality Spending Guide, October 2017

*Other brands and names may be claimed as the property of others

Software and workloads used in performance tests may have been optimized for performance only on Intel microprocessors. Performance tests, such as SYSmark* and MobileMark*, are measured using specific computer systems, components, software, operations and functions. Any change to any of those factors may cause the results to vary. You should consult other information and performance tests to assist you in fully evaluating your contemplated purchases, including the performance of that product when combined with other products. For more complete information about performance and benchmark results, visit http://www.intel.com/benchmarks. Performance results are based on testing as of October, 2017 and may not reflect all publicly available security updates. See configuration disclosure for details. No product can be absolutely secure.

Client Computing Group