

Intel launched the 8th generation processor Whiskey Lake and Amber Lake

There is still no Cannon Lake, if that's what you are looking forward to.

Today, Intel launched the 8th generation mobile processors that promise improvement over Coffee Lake and focus more on networking capabilities. 3 new chips of the 8-generation U-Series processor line (called Whiskey Lake) including i7-8565U, i5-8265U and i3-8145U, will have integrated Intel Wireless-AC module for fast Gigabit WiFi connection more than 12 times. In terms of security, they also partly mitigate the effects of side-channel attacks such as Specter and Meltdown.

On laptops or 2-in-1 devices, these chips will also provide longer battery life, from 16 to 19 hours. Intel also said gamers can play games like World of Warcraft or World of Tanks, but only need an integrated graphics card.

The U-Series, including i7-8565U, i5-8265U and i3-8145U, all have super-threading features, only the i3 has dual-core, the rest of the i5 and i7 have quad-core with the only difference in speed. heartbeat. The chip also supports Dolby Vision HDR and Dolby Atmos audio. These improvements are due to the new PCH integrating quad-core DSP and wireless MAC integration, supporting audio channels 802.11ACw / 160MHz.

	PROCESSOR NUMBER	BASE CLOCK SPEED (GHZ)	MAX PROCESSOR FREQUENCY (GHZ)	THERMAL DESIGN POWER	CORES/THREADS	CACHE SIZE (MB)	MEMORY SUPPORT
U-SERIES	i7-8565U	1.8	4.6	15	4C/8T	8	LPDDR3 2133 MHz DDR4 2400 MHz
	i5-8265U	1.6	3.9	15	4C/8T	6	LPDDR3 2133 MHz DDR4 2400 MHz
	i3-8145U	2.1	3.9	15	2C/4T	4	LPDDR3 2133 MHz DDR4 2400 MHz
Y-SERIES	i7-8500Y	1.5	4.2	5	2C/4T	4	LPDDR3 1866 MHz
	i5-8200Y	1.3	3.9	5	2C/4T	4	LPDDR3 1866 MHz
	m3-8100Y	1.1	3.4	5	2C/4T	4	LPDDR3 1866 MHz

US

Under embargo until August 28, 2018 at 1:00 PM PDT/10:00 PM CEST

Details about Intel's new U-Series and Y-Series chips

Y-Series (named Amber Lake) includes i7-8500Y, i5-8200Y and m3-8100Y (weakest CPU). All have dual cores with 4 threads, with a thermal output of only 5W. The chips do not have WiFi modules but still support Gigabit WiFi with discrete modules, which support eSIM for Gigabit LTE modems. That does not mean that they have built-in LTE modules but only eSIM support if manufacturers want to add more LTE modems to the device.

Integrated graphics card on the Y-Series is also improved, can watch 1080p, 4K video or 360-degree video. Intel representative said it could view 9.5 hours of HEVC 10bit 4K video offline.

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1. Intel i7-9700K chip reaches 5.5Ghz speed on all 8 cores, with water cooled
2. Intel's 9th generation microprocessor can be released on October 1
3. Intel said don't expect a mass 10nm chip before 2019

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