

Intel 300 processor 6 MB Smart Cache Box

Merk : Intel

Artikelcode: BX80715300

Productnaam : 300



Intel 300. Processorfamilie: Intel Processor 300, Processor socket: LGA 1700, Processorfabrikant: Intel. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 192 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM, DDR5-SDRAM. On-board graphics adapter model: Intel UHD Graphics 710, On-board ondersteunde grafische adapter uitgangen: Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1, Basisfrequentie ingebouwde grafische adapter: 300 MHz. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Verpakkingsgrootte processor: 45 x 37.5 mm

Processor		Kenmerken	
Processorfabrikant *	Intel	Gebruiksvoorwaarden	PC/Client/Tablet
Processormodel *	300	Maximaal aantal PCI Express-lijnen	20
Processorfamilie *	Intel Processor 300	PCI Express slots versie	4.0, 5.0
Aantal processorkernen *	2	PCI Express configuraties	1x16+1x4, 2x8+1x4
Processor socket *	LGA 1700	Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2
Processor aantal threads	4	Schaalbaarheid	15
Processor operating modes *	64-bit	CPU configuratie (max)	1
Prestatiekernen	2	Ingebouwde opties beschikbaar	✗
Prestatie-kernbasisfrequentie	3,9 GHz	Thermal solution specificatie	PCG 2020C
Processor cache	6 MB	Directe media-interface (DMI) revisie	4.0
Processor cache type	Smart Cache	Export Control Classification Number (ECCN)	5A992C
Box *	✓	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Inclusief koeler *	✓		
Processor basisvermogen	46 W		
Stepping	H0		
Maximum aantal DMI lanes	8		
Geheugenbandbreedte ondersteund door de processor (max)	76,8 GB/s		
Codenaam processor	Raptor Lake		
ARK ID processor	236846		
Geheugen		Processor speciale functies	
Maximaal intern geheugen ondersteund door processor	192 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Intel® Quick Sync Video Technology	✓
Geheugen kanaal *	Dubbelkanaals	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Geheugen bandbreedte (max)	76,8 GB/s	Intel® AES New Instructions (Intel® AES-NI)	✓
Grafisch		Enhanced Intel SpeedStep Technology	✓
Ingebouwde grafische adapter *	✓	Intel® Speed Shift-technologie	✓
Aparte grafische adapter *	✗	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
On-board graphics adapter model *	Intel UHD Graphics 710	Intel® Control-flow Enforcement Technology (CET)	✓
On-board ondersteunde grafische adapter uitgangen	Embedded DisplayPort (eDP) 1.4b, DisplayPort 1.4a, HDMI 2.1	Intel® Thread Director	✗
Basisfrequentie ingebouwde grafische adapter	300 MHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Graphics on-board -adapter dynamische frequentie (max)	1450 MHz	Intel® Secure Key	✓
Aantal displays ondersteund (door on-board grafische adapter)	4	Intel® OS Guard	✓
On-board grafische adapter DirectX-versie	12.0	Intel® 64	✓
On-board grafische adapter OpenGL versie	4.5	Intel® Virtualization Technology (VT-x)	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	7680 x 4320 Pixels	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
		Intel® Boot Guard	✓
		Intel® Deep Learning Boost (Intel® DL Boost)	✓
		Intel® Volume Management Device (VMD)	✓
		Mode-based Execute Control (MBE)	✓

Grafisch		Processor speciale functies	
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Eisen aan de omgeving	
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Tjunction	100 °C
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	120 Hz	Technische details	
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	OpenCL-versie	3.0
On-board grafische adapter ID	0x4693	Lanceringsdatum	Q1'24
Discreet grafische adapter model *	Niet beschikbaar	Status	Launched
Aantal verwerkingseenheden	16	Logistieke gegevens	
Multi-Formaat Codec-motoren	1	Code geharmoniseerd systeem (HS)	8542310001
Kenmerken		Gewicht en omvang	
Execute Disable Bit	✓	Verpakkingsgrootte processor	45 x 37.5 mm
Idle States	✓	Overige specificaties	
Thermal Monitoring Technologies	✓	L2 cache	2560 KB
Marktsegment	Desktop	Maximum intern geheugen	192 GB
		Grafische uitvoer	eDP 1.4b, DP 1.4a, HDMI 2.1



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