

ARK Compare Intel® Products	
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Intel® Celeron® Processor J3455 (2M Cache, up to 2.3 GHz)	
Essentials	
Product Collection	Intel® Celeron® Processor J Series
Code Name	Products formerly Apollo Lake
Vertical Segment	Desktop
Processor Number	J3455
Status	Launched
Launch Date	Q3'16
Lithography	14 nm
Recommended Customer Price	\$107.00
Performance Specifications	
# of Cores	4
# of Threads	4
Processor Base Frequency	1.50 GHz
Burst Frequency	2.30 GHz
Cache	2 MB
TDP	10 W
Supplemental Information	
Embedded Options Available	Yes
Datasheet	View now
Memory Specifications	
Max Memory Size (dependent on memory type)	8 GB
Memory Types	DDR3L/LPDDR3 up to 1866 MT/s; LPDDR4 up to 2400 MT/s
Max # of Memory Channels	2
ECC Memory Supported ‡	No
Processor Graphics	
Processor Graphics ‡	Intel® HD Graphics 500
Graphics Base Frequency	250 MHz
Graphics Burst Frequency	750 MHz
Graphics Video Max Memory	8 GB
Graphics Output	eDP/DP/HDMI/MIPI-DSI
Execution Units	12
DirectX* Support	Yes
OpenGL* Support	Yes
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	No
Intel® Clear Video HD Technology	Yes
Intel® Clear Video Technology	Yes
# of Displays Supported ‡	3
Expansion Options	

PCI Express Revision	2
PCI Express Configurations ‡	1x4 + 1x2 or 4x1 or 2x1+1x2 + 1x2
Max # of PCI Express Lanes	6
I/O Specifications	
# of USB Ports	8
USB Revision	2.0/3.0
Total # of SATA Ports	2
Integrated LAN	No
General Purpose IO	Yes
UART	Yes
Max # of SATA 6.0 Gb/s Ports	2
Package Specifications	
Sockets Supported	FCBGA1296
Max CPU Configuration	1
TJUNCTION	105°C
Package Size	24mm x 31mm
Advanced Technologies	
Intel® Optane™ Memory Supported ‡	No
Intel® Turbo Boost Technology ‡	No
Intel vPro® Platform Eligibility ‡	No
Secure Boot	Yes
Intel® Hyper-Threading Technology ‡	No
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® Virtualization Technology for Directed I/O (VT-d) ‡	Yes
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes
Intel® 64 ‡	Yes
Instruction Set	64-bit
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Thermal Monitoring Technologies	Yes
Intel® HD Audio Technology	Yes
Intel® Identity Protection Technology ‡	Yes
Intel® Rapid Storage Technology	No
Intel® Smart Connect Technology	No
Intel® Stable Image Platform Program (SIPP)	No
Intel® Smart Response Technology	No
Intel® Virtualization Technology for Itanium (VT-i)	No
Security & Reliability	
Intel® AES New Instructions	Yes
Secure Key	Yes
Intel® Trusted Execution Technology ‡	No
Execute Disable Bit ‡	Yes

Anti-Theft Technology	No
Intel® OS Guard	No