

Intel Atom® Processor C3338 (4M Cache- up to 2.20 GHz)

Essentials

Product Collection	Intel Atom® Processor C Series
Code Name	Products formerly Denverton
Vertical Segment	Server
Processor Number	C3338
Lithography	14 nm
Recommended Customer Price	\$36.75

CPU Specifications

Total Cores	2
Total Threads	2
Max Turbo Frequency	2.20 GHz
Intel® Turbo Boost Technology 2.0 Frequency‡	2.20 GHz
Processor Base Frequency	1.50 GHz
Cache	4 MB
Max # of UPI Links	0
# of QPI Links	0
TDP	8.5 W

Supplemental Information

Marketing Status	Launched
Launch Date	Q1'17
Embedded Options Available	Yes
Product Brief	View now

Memory Specifications

Max Memory Size (dependent on memory type)	128 GB
Memory Types	DDR4: 1866
Max # of Memory Channels	1
ECC Memory Supported ‡	Yes

Expansion Options

PCI Express Revision	3
PCI Express Configurations ‡	x2 x4 x8
Max # of PCI Express Lanes	10

I/O Specifications

# of USB Ports	8
USB Revision	3
Total # of SATA Ports	10
Integrated LAN	4x2.5/1 GbE
Max # of SATA 6.0 Gb/s Ports	10

Package Specifications

Sockets Supported	FCBGA1310
Max CPU Configuration	1
TCASE	89°C
Operating Temperature (Minimum)	0 °C
Package Size	34 mm x 28 mm

Advanced Technologies

Intel® Turbo Boost Technology ‡	2
Secure Boot	Yes
Intel® Hyper-Threading Technology ‡	No
Instruction Set	64-bit
Integrated Intel® QuickAssist Technology	No

Security & Reliability

Intel® AES New Instructions	Yes
Secure Key	Yes
Intel® Software Guard Extensions (Intel® SGX)	No
Execute Disable Bit ‡	Yes
Intel® OS Guard	Yes
Intel® Boot Guard	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