

## Intel Atom® Processor C2316 (1M Cache- 1.50 GHz)

### Essentials

Product Collection	Intel Atom® Processor C Series
Code Name	Products formerly Rangeley
Vertical Segment	Embedded
Processor Number	C2316
Lithography	22 nm

### CPU Specifications

Total Cores	2
Total Threads	2
Processor Base Frequency	1.50 GHz
Cache	1 MB
TDP	7 W

### Supplemental Information

Marketing Status	Launched
Launch Date	Q3'17
Servicing Status	End of Servicing Lifetime
End of Servicing Updates Date	Wednesday   June 30   2021
Embedded Options Available	Yes

### Memory Specifications

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR 1333
Max # of Memory Channels	1
Physical Address Extensions	36-bit
ECC Memory Supported ‡	Yes

### Expansion Options

PCI Express Revision	2
Max # of PCI Express Lanes	8

### I/O Specifications

# of USB Ports	4
USB Revision	2
Total # of SATA Ports	2
Integrated LAN	2x1 or 2x2.5 GbE
UART	2 interfaces

### Package Specifications

Sockets Supported	FCBGA1283
TJUNCTION	100C
Package Size	34 mm x 28 mm

Advanced Technologies

Intel® Turbo Boost Technology ‡	No
Intel® Hyper-Threading Technology ‡	No
Intel® 64 ‡	Yes
Integrated Intel® QuickAssist Technology	Yes

Security & Reliability

Intel® AES New Instructions	Yes
Execute Disable Bit ‡	Yes
Intel® Virtualization Technology (VT-x) ‡	Yes
Intel® VT-x with Extended Page Tables (EPT) ‡	Yes