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Intel® Atom™ Processor E645CT (512K Cache, 1.0 GHz)

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Specifications

Compare +

Essentials

Status	End of Life
Launch Date	Q4'10
Processor Number	E645CT
L2 Cache	512 KB
PCI Express*	2.5 GT/s
Instruction Set	32-bit
Embedded Options Available 🔍	No
Lithography	45 nm
Recommended Customer Price	N/A
Datasheet	Link

Performance

# of Cores	1
# of Threads	2
Processor Base Frequency	1 GHz
TDP	7 W

Memory Specifications

Max Memory Size (dependent on memory type)	2 GB
Memory Types	DDR2 800
Max # of Memory Channels	1
ECC Memory Supported * 🔍	No

Graphics Specifications

Processor Graphics *	Integrated
Graphics Base Frequency	320 MHz

Expansion Options

PCI Express Configurations *	x1, root complex only
Max # of PCI Express Lanes	2

Package Specifications

Package Size	37.5mm x 37.5mm
Sockets Supported	FCBGA1466
Low Halogen Options Available	See MDDS

Advanced Technologies

Intel® Turbo Boost Technology *	No
Intel® Hyper-Threading Technology * 🔍	Yes
Intel® Virtualization Technology (VT-x) *	Yes
Enhanced Intel SpeedStep® Technology 🔍	Yes

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