

Specifications Intel Celeron N2940

Essentials	
Status	Launched
Launch Date	Q3'14
Processor Number	N2940
# of Cores	4
# of Threads	4
Clock Speed	1.83 GHz
Burst Frequency	2.25 GHz
L2 Cache	2 MB
Instruction Set	64-bit
Embedded Options Available	No
Lithography	22 nm
Max TDP	7.5 W
Scenario Design Power (SDP)	4.5 W
Recommended Customer Price	TRAY: \$107.00
Datasheet	Link
Conflict Free	Yes
Memory Specifications	
Max Memory Size (dependent on memory type)	8 GB
Memory Types	DDR3L-1333
# of Memory Channels	2
Max Memory Bandwidth	21.32 GB/s
ECC Memory Supported	No
Graphics Specifications	
Processor Graphics	Intel® HD Graphics
Graphics Base Frequency	313 MHz
Graphics Burst Frequency	854 MHz

Graphics Max Dynamic Frequency	854 MHz
Intel® Quick Sync Video	Yes
Intel® InTru™ 3D Technology	No
Intel® Clear Video HD Technology	No
Intel® Wireless Display	Yes
Intel® Insider	No
# of Displays Supported	2
Expansion Options	
PCI Express Revision	2.0
PCI Express Configurations	1x4
Max # of PCI Express Lanes	4
I/O Specifications	
USB Revision	3.0 and 2.0
# of USB Ports	5
Total # of SATA Ports	2
Package Specifications	
Max CPU Configuration	1
T _{JUNCTION}	100°C
Package Size	25mm x 27mm
Sockets Supported	FCBGA1170
Low Halogen Options Available	See MDDS
Advanced Technologies	
Intel® Turbo Boost Technology	No
Intel® vPro Technology	No
Intel® Hyper-Threading Technology	No
Intel® Virtualization Technology (VT-x)	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	No

Intel® 64	Yes
Idle States	Yes
Enhanced Intel SpeedStep® Technology	Yes
Intel® Smart Connect Technology	Yes
Intel® Data Protection Technology	
AES New Instructions	No
Secure Key	Yes
Intel® Platform Protection Technology	
Execute Disable Bit	Yes
Anti-Theft Technology	No