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## Company Address

Arrow Electronics, Inc  
9201 East Dry Creek Road  
Centennial, CO 80112



# Intel® Celeron® M Processor 440

1M Cache, 1.86 GHz, 533 MHz FSB

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Specifications

**Essentials**

Performance

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## Essentials

[Export specifications](#)

Product Collection	Legacy Intel® Celeron® Processor
Code Name	Products formerly Yonah
Vertical Segment	Mobile
Processor Number	440
Status	Discontinued
Launch Date <a href="#">?</a>	Q1'06
Lithography <a href="#">?</a>	65 nm

## Performance

# of Cores <a href="#">?</a>	1
# of Threads <a href="#">?</a>	1
Processor Base Frequency <a href="#">?</a>	1.86 GHz
Cache <a href="#">?</a>	1 MB L2 Cache
Bus Speed <a href="#">?</a>	533 MHz
FSB Parity <a href="#">?</a>	No
TDP <a href="#">?</a>	27 W
Scenario Design Power (SDP) <a href="#">?</a>	0 W
VID Voltage Range <a href="#">?</a>	1.0V-1.3V

## Supplemental Information

Embedded Options Available <a href="#">?</a>	Yes
Datasheet	<a href="#">View now</a>

## Memory Specifications

Physical Address Extensions <a href="#">?</a>	32-bit
ECC Memory Supported <sup>‡</sup> <a href="#">?</a>	No

## Package Specifications

Sockets Supported <a href="#">?</a>	PPGA478, PBGA479
T <sub>JUNCTION</sub> <a href="#">?</a>	100°C

Package Size	35mm x 35mm
Processing Die Size	90 mm <sup>2</sup>
# of Processing Die Transistors	151 million

### Advanced Technologies

Intel® Turbo Boost Technology ‡ ?	No
Intel® Hyper-Threading Technology ‡ ?	No
Intel® Virtualization Technology (VT-x) ‡ ?	No
Intel® 64 ‡ ?	No
Instruction Set ?	32-bit
Idle States ?	No
Enhanced Intel SpeedStep® Technology ?	No
Intel® Demand Based Switching ?	No

### Security & Reliability

Intel® Trusted Execution Technology ‡ ?	No
Execute Disable Bit ‡ ?	Yes

More support options for Intel® Celeron® M Processor 440 (1M Cache, 1.86 GHz, 533 MHz FSB)



Product Support



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Warranty and Replacement



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Refer to Datasheet for formal definitions of product properties and features.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See <http://www.intel.com/content/www/us/en/processors/processor-numbers.html> for details.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

See <http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html?wapkw=hyper+threading> for more information including details on which processors support Intel® HT Technology.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See [www.intel.com/technology/turboboost/](http://www.intel.com/technology/turboboost/) for more information.



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