

	<u>Intel Celeron J6412 2.00GHz</u>	<u>Intel Celeron J4125 2.00GHz</u>	<u>Intel Celeron J3455 1.50GHz</u>	<u>Intel Celeron N3160 1.60GHz</u>	<u>Intel Celeron N2930 1.83GHz</u>
<b>Socket Type</b>	FCBGA1493	FCBGA1090	FCBGA1296	FCBGA1170	FCBGA1170
<b>CPU Class</b>	Mobile/Embedded	Desktop	Desktop	Laptop	Laptop
<b>Clockspeed</b>	2.0 GHz	2.0 GHz	1.5 GHz	1.6 GHz	1.8 GHz
<b>Turbo Speed</b>	Up to 2.6 GHz	Up to 2.7 GHz	Up to 2.3 GHz	Up to 2.2 GHz	Up to 2.2 GHz
<b># of Physical Cores</b>	4 (Threads: 4)	4 (Threads: 4)	4 (Threads: 4)	4 (Threads: 4)	4 (Threads: 4)
<b>Cache</b>	L1: 256KB, L2: 1.5MB, L3: 4MB	L1: 1,792KB, L2: 16.0MB, L3: 0MB	L1: 896KB, L2: 4.0MB, L3: 0MB	L1: 224KB, L2: 2.0MB, L3: 0MB	L1: 448KB, L2: 2.0MB, L3: 0MB
<b>Max TDP</b>	10W	10W	10W	6W	7.5W
<b>Other</b>	Intel UHD Graphics for 10th Gen Intel Processors	Intel UHD Graphics 600		Intel HD Graphics 400	
<b>First Seen on Chart</b>	Q3 2021	Q1 2020	Q4 2016	Q2 2016	Q2 2014
<b># of Samples</b>	36	357	392	142	273
<b>Single Thread Rating(% diff. to max in group)</b>	1393(0.0%)	1167(-16.2%)	807(-42.1%)	558(-59.9%)	584(-58.1%)
<b>CPU Mark(% diff. to max in group)</b>	<b>3929</b> (0.0%)	<b>2985</b> (-24.0%)	<b>2255</b> (-42.6%)	<b>1150</b> (-70.7%)	<b>1003</b> (-74.5%)

# CPU Mark Rating

*As of 11th of January 2023 - Higher results represent better performance*

<a href="#">Intel Celeron J6412 @ 2.00GHz</a>	<a href="#">3,929</a>
<a href="#">Intel Celeron J4125 @ 2.00GHz</a>	<a href="#">2,985</a>
<a href="#">Intel Celeron J3455 @ 1.50GHz</a>	<a href="#">2,255</a>
<a href="#">Intel Celeron N3160 @ 1.60GHz</a>	<a href="#">1,150</a>
<a href="#">Intel Celeron N2930 @ 1.83GHz</a>	<a href="#">1,003</a>

PassMark Software © 2008-2023

# CPU Value (CPU Mark / \$Price)

*As of 11th of January 2023 - Higher results represent better value*

<a href="#">Intel Celeron J6412 @ 2.00GHz</a>	<a href="#">72.8</a>
<a href="#">Intel Celeron J4125 @ 2.00GHz</a>	<a href="#">NA</a>
<a href="#">Intel Celeron J3455 @ 1.50GHz</a>	<a href="#">6.5</a>
<a href="#">Intel Celeron N3160 @ 1.60GHz</a>	<a href="#">3.3</a>
<a href="#">Intel Celeron N2930 @ 1.83GHz</a>	<a href="#">NA</a>

PassMark Software © 2008-2023

# CPU Single Thread Rating

*As of 11th of January 2023 - Higher results represent better performance*

<a href="#">Intel Celeron J6412 @ 2.00GHz</a>	<a href="#">1,393</a>
<a href="#">Intel Celeron J4125 @ 2.00GHz</a>	<a href="#">1,167</a>
<a href="#">Intel Celeron J3455 @ 1.50GHz</a>	<a href="#">807</a>
<a href="#">Intel Celeron N3160 @ 1.60GHz</a>	<a href="#">558</a>
<a href="#">Intel Celeron N2930 @ 1.83GHz</a>	<a href="#">584</a>

PassMark Software © 2008-2023

# Estimated Energy Usage Cost

## Estimated Energy Adjustable Values

Average hours of use per day	Average CPU Utilization (0-100%) <sup>1</sup>	Power cost, \$ per kWh <sup>2</sup>
<input type="text" value="8"/>	<input type="text" value="25"/>	<input type="text" value="0.25"/>

	<u>Intel Celeron J6412 @ 2.00GHz</u>	<u>Intel Celeron J4125 @ 2.00GHz</u>	<u>Intel Celeron J3455 @ 1.50GHz</u>	<u>Intel Celeron N3160 @ 1.60GHz</u>	<u>Intel Celeron N2930 @ 1.83GHz</u>
Max TDP	10W	10W	10W	6W	7.5W
Power consumption per day (kWh)	0.0	0.0	0.0	NA	NA
Running cost per day	\$0.005	\$0.005	\$0.005	NA	NA
Power consumption per year (kWh)	7.3	7.3	7.3	NA	NA