



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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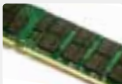


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# ATP Industrial Grade DRAM Modules

Targeted Product Portfolio, Engineered Specifically for Your Mission Critical Applications

Product	Category	Speed (MT/s)	Form Factor	Features
<b>DDR4</b> 	RDIMM RDIMM VLP UDIMM/UDIMM ECC SO-DIMM ECC	2133	<ul style="list-style-type: none"> <li>Low profile</li> <li>Very Low Profile (VLP) options (VLP: 0.74" height)</li> </ul>	<ul style="list-style-type: none"> <li>Density: 4GB to 16GB</li> <li>Increase performance and bandwidth which is up to 3200 MT/s</li> <li>Decrease voltage for better power consumption</li> <li>Provide better reliability, availability and serviceability (RAS) and improve data integrity as well.</li> </ul>
<b>DDR3</b> 	LRDIMM RDIMM UDIMM/UDIMM ECC SO-RDIMM SO-DIMM/SO-DIMM ECC mini-RDIMM mini-UDIMM ECC	1866 1600 1333 1066	<ul style="list-style-type: none"> <li>Low profile</li> <li>Very Low Profile (VLP) options (VLP: 0.74" height)</li> <li>Ultra Low Profile (ULP) options (ULP: 0.7"~0.72" height)</li> </ul>	<ul style="list-style-type: none"> <li>Density: 1GB to 32GB 32GB to 64GB(LRDIMM)</li> <li>Chipkill support</li> <li>Fly-by command/address/control bus with on-DIMM termination.</li> <li>Higher bandwidth performance, effectively up to 1866 MT/s</li> <li>Better performance at low power; 1.5V (Normal) and 1.35V(Low Voltage)</li> </ul>
<b>DDR2</b> 	RDIMM UDIMM/UDIMM ECC SO-RDIMM SO-CDIMM SO-DIMM mini-RDIMM FB-UDIMM*	800 667 533 400	<ul style="list-style-type: none"> <li>Low Profile</li> <li>Very Low Profile (VLP) options (VLP:0.72"~0.74" height)</li> </ul>	<ul style="list-style-type: none"> <li>Density: 1GB to 8GB</li> <li>Chipkill support</li> </ul> <b>FB-DIMM</b> <ul style="list-style-type: none"> <li>Low power and low voltage options</li> <li>Apple FB-DIMM</li> </ul>
<b>DDR*</b> 	UDIMM/UDIMM ECC SO-CDIMM SO-DIMM	400 333 266	<ul style="list-style-type: none"> <li>Low Profile</li> <li>Very Low Profile (VLP) options (VLP:0.72"~0.74" height)</li> </ul>	<ul style="list-style-type: none"> <li>Density: 512MB to 1GB</li> <li>Chipkill support</li> </ul>
<b>SDRAM*</b> 	RDIMM UDIMM/UDIMM ECC SO-UDIMM	PC 133 PC 100	<ul style="list-style-type: none"> <li>Low Profile</li> <li>Very Low Profile (VLP) options (VLP:0.72"~0.74" height)</li> </ul>	<ul style="list-style-type: none"> <li>Density: 256MB to 1GB</li> <li>Chipkill support</li> <li>Legacy system support</li> </ul>

Product Portfolio	Category	Product	Features
<b>Industrial Grade Family</b> 	SO-DIMM UDIMM RDIMM	DDR3 DDR2 DDR* SDRAM*	<ul style="list-style-type: none"> <li>Extended temperature: -40°C ~ +85°C</li> <li>Controlled BOM and SPD</li> <li>For mission critical industrial applications</li> <li>conformal coating</li> </ul>

\* Available on a project basis.

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