

Apacer's Industrial and Server memory modules have all gone through rigorous environment tests (extended temperature and high/low pressure testing for longer periods of time) and motherboard tests. Devoted to delivering highly-reliable and highly-compatible quality and comprehensively professional customization service, Apacer is the enterprises' prime choice among storage solution providers!

- Fixed B.O.M. Commitment
- Chip underfill processed
- Anti-Sulfuration
- Conformal Coating for anti-proof & corrosion prevention
- Industrial Wide Temperature (-40°C~+85°C) support

Industrial Desktop Memory Series

Unbuffered DIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial	CL	Pin
DDR4-2400	PC4-19200	2GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL17	288-pin
DDR4-2133	PC4-17000	2GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL11	240-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V	0°C-85°C	-40°C-85°C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL9	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V	0°C-85°C	-40°C-85°C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL7	240-pin
DDR2-800	PC2-6400	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL6	240-pin
DDR2-667	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL5	240-pin
DDR2-533	PC2-4300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL4	240-pin
DDR-400	PC-3200	512MB~1GB	2.6V+/-0.1V	0°C-70°C	-40°C-85°C	CL3	184-pin
DDR-333	PC-2700	512MB~1GB	2.5V+/-0.2V	0°C-70°C	-	CL2.5	184-pin

Unbuffered DIMM VLP (Very Low Profile)

Data rate	Model	Capacity	Voltage	Standard OP Temp.	Industrial OP Temp.	CL	Pin
DDR4-2400 VLP	PC4-19200	4GB~16GB	1.2V	0°C-85°C	-	CL17	288-pin
DDR4-2133 VLP	PC4-17000	4GB~16GB	1.2V	0°C-85°C	-	CL15	288-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-	CL11	240-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.35V	0°C-85°C	-	CL11	240-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-	CL9	240-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.35V	0°C-85°C	-	CL9	240-pin
DDR3-1066 VLP	PC3-8500	1GB~8GB	1.8V+/-0.1V	0°C-85°C	-	CL7	240-pin
DDR2-800 VLP	PC2-6400	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-	CL6	240-pin
DDR2-667 VLP	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-	CL5	240-pin

Industrial Notebook Memory Series

SO DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	Industrial OP Temp.	CL	Pin
DDR4-2400	PC4-19200	2GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL17	260-pin
DDR4-2133	PC4-17000	2GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~16GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL11	204-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V	0°C-85°C	-40°C-85°C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL9	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V	0°C-85°C	-40°C-85°C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL7	204-pin
DDR2-800	PC2-6400	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL6	200-pin
DDR2-667	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL5	200-pin
DDR2-533	PC2-4300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-40°C-85°C	CL4	200-pin
DDR-400	PC-3200	256MB~1GB	2.6V+/-0.1V	0°C-70°C	-40°C-85°C	CL3	200-pin
DDR-333	PC-2700	256MB~1GB	2.5V+/-0.2V	0°C-70°C	-	CL2.5	200-pin

SO ECC DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	Industrial OP Temp.	CL	Pin
DDR4-2400	PC4-19200	4GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~16GB	1.2V	0°C-85°C	-40°C-85°C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL11	204-pin
DDR3-1600	PC3-12800	1GB~8GB	1.35V	0°C-85°C	-40°C-85°C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL9	204-pin
DDR3-1333	PC3-10600	1GB~8GB	1.35V	0°C-85°C	-40°C-85°C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	-40°C-85°C	CL7	204-pin
DDR2-667	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	-	CL5	200-pin



Server Memory Series

- JEDEC Compliant Design
- CMTL Certified
- SUPERMICRO Qualified
- Thermal Sensor Function
- Golden Finger 30u" for robust design

ECC DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR4-2400	PC4-19200	4GB~16GB	1.2V	0°C-85°C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~16GB	1.2V	0°C-85°C	CL15	288-pin
DDR3-1866	PC3-14900	2GB~8GB	1.5V+/-0.075V	0°C-85°C	CL13	240-pin
DDR3-1600	PC3-12800	1GB~16GB	1.5V+/-0.075V	0°C-85°C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.5V+/-0.075V	0°C-85°C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	CL7	240-pin
DDR2-800	PC2-6400	512MB~2GB	1.8V+/-0.1V	0°C-85°C	CL6	240-pin
DDR2-667	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	CL5	240-pin
DDR2-533	PC2-4300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	CL4	240-pin

ECC DIMM VLP (Very Low Profile)

Data rate	Model	Capacity	Voltage	Standard OP Temp.	Height	CL	Pin
DDR4-2400 VLP	PC4-19200	4GB~16GB	1.2V	0°C-85°C	0.738"	CL17	288-pin
DDR4-2133 VLP	PC4-17000	4GB~16GB	1.2V	0°C-85°C	0.738"	CL15	288-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.5V+/-0.075V	0°C-85°C	0.738"	CL11	240-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.35V	0°C-85°C	0.738"	CL11	240-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.5V+/-0.075V	0°C-85°C	0.738"	CL9	240-pin
DDR3-1066 VLP	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	0.738"	CL7	240-pin

Registered ECC DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR4-2400	PC4-19200	4GB~64GB	1.2V	0°C-85°C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~64GB	1.2V	0°C-85°C	CL15	288-pin
DDR3-1866	PC3-14900	4GB~16GB	1.5V+/-0.075V	0°C-85°C	CL13	240-pin
DDR3-1600	PC3-12800	2GB~16GB	1.5V+/-0.075V	0°C-85°C	CL11	240-pin
DDR3-1600	PC3-12800	2GB~16GB	1.35V	0°C-85°C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.5V+/-0.075V	0°C-85°C	CL9	240-pin
DDR3-1333	PC3-10600	2GB~8GB	1.35V	0°C-85°C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~8GB	1.5V+/-0.075V	0°C-85°C	CL7	240-pin
DDR2-800	PC2-6400	512MB~4GB	1.8V+/-0.1V	0°C-85°C	CL6	240-pin
DDR2-667	PC2-5300	512MB~4GB	1.8V+/-0.1V	0°C-85°C	CL5	240-pin
DDR2-533	PC2-4300	512MB~4GB	1.8V+/-0.1V	0°C-85°C	CL4	240-pin

Registered ECC DIMM VLP (Very Low Profile)

Data rate	Model	Capacity	Voltage	Standard OP Temp.	Height	CL	Pin
DDR4-2400 VLP	PC4-19200	4GB~16GB	1.2V	0°C-85°C	0.738"	CL15	288-pin
DDR4-2133 VLP	PC4-17000	4GB~16GB	1.2V	0°C-85°C	0.738"	CL15	288-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.5V+/-0.075V	0°C-85°C	0.738"	CL9	240-pin
DDR3-1066 VLP	PC3-8500	1GB~4GB	1.5V+/-0.075V	0°C-85°C	0.738"	CL7	240-pin

Fully Buffered DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR2-800	PC2-6400	512MB~2GB	1.8V+/-0.1V	0°C-85°C	CL6	240-pin
DDR2-667	PC2-5300	512MB~2GB	1.8V+/-0.1V	0°C-85°C	CL5	240-pin

Registered SO DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR3-1333	PC3-10600	1GB	1.5V+/-0.075V	0°C-85°C	CL9	204-pin
DDR2-667	PC2-5300	1GB~2GB	1.8V+/-0.1V	0°C-85°C	CL5	200-pin
DDR4-2400	PC4-19200	4GB~8GB	1.2V	0°C-85°C	CL17	260-pin

Registered Mini DIMM

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR3-1333	PC3-10600	1GB~4GB	1.5V+/-0.075V	0°C-85°C	CL9	244-pin
DDR2-667	PC2-5300	512MB~1GB	1.8V+/-0.1V	0°C-85°C	CL5	244-pin

Registered Mini DIMM VLP (Very Low Profile)

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR3-1333 VLP	PC3-10600	1GB~4GB	1.5V+/-0.075V	0°C-85°C	CL9	244-pin
DDR3-1333 VLP	PC3-10600	2GB~4GB	1.35V	0°C-85°C	CL9	244-pin
DDR4-2400 VLP	PC4-19200	4GB~8GB	1.2V	0°C-85°C	CL17	288-pin

ECC Mini DIMM

Data rate	Model	Capacity	Voltage	Standard	CL	Pin
DDR3-1333	PC3-10600	1GB~4GB	1.5V+/-0.075V	0°C-85°C	CL9	244-pin

ECC Mini DIMM VLP

Data rate	Model	Capacity	Voltage	Standard OP Temp.	CL	Pin
DDR3-1333 VLP	PC3-10600	1GB~4GB	1.5V+/-0.075V	0°C-85°C	CL9	244-pin
DDR4-2400 VLP	PC4-19200	4GB~16GB	1.2V	0°C-85°C	CL17	288-pin



Apacer

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