









Apacer's Industrial memory modules have all gone through rigorous environment tests (extended temperature and high/low pressure testing for longer periods of time) and motherboard tests.

### Available Features for Apacer Industrial Memory Series

-  Conformal coating for dust, moisture and corrosion prevention
-  Industrial Wide Temperature (-40 °C ~ + 85 °C ) support
-  Anti-Sulfuration
-  Underfill

### Apacer Server Memory

-  30µ Gold Finger for robust design
-  EDEC Compliant Design
-  Thermal Sensor
-  CMTL Certified

#### UDIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL7	240-pin
DDR2-800	PC2-6400	1GB~4GB	1.8V	0 °C~85 °C	-	CL6	240-pin
DDR2-667	PC2-5300	1GB~4GB	1.8V	0 °C~85 °C	-	CL5	240-pin
DDR2-533	PC2-4300	1GB~4GB	1.8V	0 °C~85 °C	-	CL4	240-pin
DDR-400	PC-3200	512MB~1GB	2.6V	0 °C~70 °C	-	CL3	184-pin
DDR-333	PC-2700	512MB~1GB	2.5V	0 °C~70 °C	-	CL2.5	184-pin

#### VLP UDIMM

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666 VLP	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400 VLP	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133 VLP	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600 VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333 VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066 VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin
DDR2-800 VLP	PC2-6400	1GB~2GB	1.8V	0 °C~85 °C	0.72"	CL6	240-pin
DDR2-667 VLP	PC2-5300	1GB~2GB	1.8V	0 °C~85 °C	0.72"	CL5	240-pin

#### SODIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	2GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL7	204-pin
DDR2-800	PC2-6400	1GB~4GB	1.8V	0 °C~85 °C	-40 °C ~85 °C	CL6	200-pin
DDR2-667	PC2-5300	1GB~4GB	1.8V	0 °C~85 °C	-40 °C ~85 °C	CL5	200-pin
DDR2-533	PC2-4300	1GB~4GB	1.8V	0 °C~85 °C	-40 °C ~85 °C	CL4	200-pin
DDR-400	PC-3200	256MB~1GB	2.6V	0 °C~70 °C	-40 °C ~85 °C	CL3	200-pin
DDR-333	PC-2700	256MB~1GB	2.5V	0 °C~70 °C	-	CL2.5	200-pin

#### ECC SODIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	260-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL11	204-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL9	204-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL7	204-pin

#### XR-DIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-2400	PC4-19200	8GB~16GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	300-pin
DDR4-2133	PC4-17000	8GB~16GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	300-pin

#### Rugged SODIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	8GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	8GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	8GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	8GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	8GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	260-pin

#### ECC UDIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL9	240-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-40 °C ~85 °C	CL7	240-pin

#### RDIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~64GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	288-pin
DDR4-2933	PC4-23400	4GB~64GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	288-pin
DDR4-2666	PC4-21300	4GB~64GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	288-pin
DDR4-2400	PC4-19200	4GB~64GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	288-pin
DDR4-2133	PC4-17000	4GB~64GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	288-pin
DDR3-1600	PC3-12800	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-	CL11	240-pin
DDR3-1333	PC3-10600	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-	CL9	240-pin
DDR3-1066	PC3-8500	1GB~16GB	1.35V/1.5V	0 °C~85 °C	-	CL7	240-pin

#### SODIMM

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~16GB	1.2V	0 °C~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~16GB	1.2V	0 °C~85 °C	CL15	260-pin

#### VLP SODIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	Pin
DDR4-3200	PC4-25600	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	260-pin

#### VLP ECC SODIMM

Data rate	Model	Capacity	Voltage	Standard	Industrial OP Temp.	CL	pin
DDR4-3200	PC4-25600	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL22	260-pin
DDR4-2933	PC4-23400	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL21	260-pin
DDR4-2666	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL19	260-pin
DDR4-2400	PC4-19200	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL17	260-pin
DDR4-2133	PC4-17000	4GB~8GB	1.2V	0 °C~85 °C	-40 °C ~85 °C	CL15	260-pin

#### VLP ECC UDIMM

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666VLP	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin

#### VLP RDIMM

Data rate	Model	Capacity	Voltage	Standard	Height	CL	Pin
DDR4-3200 VLP	PC4-25600	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL22	288-pin
DDR4-2933 VLP	PC4-23400	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL21	288-pin
DDR4-2666VLP	PC4-21300	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~32GB	1.2V	0 °C~85 °C	0.738"	CL15	288-pin
DDR3-1600VLP	PC3-12800	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL11	240-pin
DDR3-1333VLP	PC3-10600	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL9	240-pin
DDR3-1066VLP	PC3-8500	1GB~8GB	1.35V/1.5V	0 °C~85 °C	0.738"	CL7	240-pin

#### VLP Mini ECC UDIMM

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666VLP	PC4-21300	4GB~16GB	1.2V	0 °C~85 °C	CL19	288-pin
DDR4-2400VLP	PC4-19200	4GB~16GB	1.2V	0 °C~85 °C	CL17	288-pin
DDR4-2133VLP	PC4-17000	4GB~16GB	1.2V	0 °C~85 °C	CL15	288-pin

#### VLP Mini RDIMM

Data rate	Model	Capacity	Voltage	Standard	CL	pin
DDR4-2666VLP	PC4-21300	4GB~8GB	1.2V	0 °C~85 °C	CL19	288-pin
DDR4-2400VLP	PC4-19					