

# DRAM Module | Registered DIMM

## 240/288-Pin VLP Registered DIMM

Speed	Capacity	Model	Voltage
DDR3 1600/1866	2GB	AD3V1600C2G11	1.5V
	4GB	AD3V1866W4G13	1.5V
	8GB	AD3V1866W8G13	1.5V
DDR3L 1600/1866	2GB	ADDV1600C2G11	1.35V
	4GB	ADDV1866W4G13	1.35V
	8GB	ADDV1866W8G13	1.35V
DDR4 2400	4GB	AD4V2400W4G17	1.2V
	8GB	AD4V240038G17	1.2V
	16GB	AD4V2400316G17	1.2V

Type	DDR3L VLP Registered DIMM	DDR4 VLP Registered DIMM
Frequency	1600/1866MHz	2400MHz
Pin Count	240 Pin	288 Pin
Capacity	2GB/4GB/8GB	4GB/8GB/16GB
DRAM Configuration	256M x 8/512M x 8	512M x 8/1024M x 8
Timing CL-tRCD-tRP-tRAS	11-11-11-28/13-13-13-35	17-17-17-39
Voltage	1.5V/1.35V	1.2V
Rank Number	1Rank/2Rank	1Rank/2Rank
Heat Sink	No	No
Operating Temp.	-10°C to +85°C	-10°C to +85°C
Gold Finger Plating	30 micro inch	30 micro inch
Warranty	Lifetime Warranty	Lifetime Warranty

## 288-Pin Registered DIMM

Speed	Capacity	Model	Voltage
DDR4 2400	4GB	AD4R2400W4G17	1.2V
	8GB	AD4R240038G17	1.2V
	16GB	AD4R2400316G17	1.2V
	32GB	AD4R2400V32G17	1.2V

Type	DDR4 Registered DIMM
Frequency	2400MHz
Pin Count	288 Pin
Capacity	4GB/8GB/16GB/32GB
DRAM Configuration	512M x 8/1024M x 8/2048M x 4
Timing CL-tRCD-tRP-tRAS	17-17-17-39
Voltage	1.2V
Rank Number	1Rank/2Rank
Heat Sink	No
Operating Temp.	-10°C to +85°C
Gold Finger Plating	30 micro inch
Warranty	Lifetime Warranty

## 240-Pin Registered DIMM

Speed	Capacity	Model	Voltage
DDR3 1600/1866	2GB	AD3R1600C2G11	1.5V
	4GB	AD3R1866W4G13	1.5V
	8GB	AD3R1866W8G13	1.5V
	16GB	AD3R1866316G13	1.5V
DDR3L 1600/1866	2GB	ADDR1600C2G11	1.35V
	4GB	ADDR1600W4G11	1.35V
	8GB	ADDR1866W8G13	1.35V
	16GB	ADDR1866316G13	1.35V

Type	DDR3L Registered DIMM
Frequency	1600/1866 MHz
Pin Count	240 Pin
Capacity	2GB/4GB/8GB/16GB
DRAM Configuration	256M x 8/512M x 8/1024M x 4
Timing CL-tRCD-tRP-tRAS	11-11-11-28
Voltage	1.5V/1.35V
Rank Number	1Rank/2Rank/4Rank
Heat Sink	No
Operating Temp.	-10°C to +85°C
Gold Finger Plating	30 micro inch
Warranty	Lifetime Warranty