

ORION RGB Memory Product Specifications



Specifications & Model Numbers - Single Channel								
Racing Red Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel Z270/Z370/Z390		
GOSR48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O		
GOSR416GB2666C19SC			16GB		X	O		
GOSR432GB2666C19SC			32GB		X	O		
GOSR48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O		
GOSR416GB3000C16ASC			16GB		O	O		
GOSR48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O		
GOSR416GB3200C16ASC			16GB		O	O		
GOSR48GB3200C16BSC		16-20-20-40	8GB		O	O		
GOSR416GB3200C16BSC			16GB		O	O		
GOSR432GB3200C16BSC			32GB		O	O		
GOSR416GB3200C18ASC		18-20-20-38	16GB		O	O		
GOSR432GB3200C18ASC			32GB		O	O		
GOSR416GB3200C18BSC			18-22-22-42		16GB	O	O	
GOSR432GB3200C18BSC					32GB	O	O	
*GOSR48GB3200C22SC		22-22-22-52	22-22-22-52		8GB	1.2V	X	O
*GOSR416GB3200C22SC					16GB		X	O
*GOSR432GB3200C22SC					32GB		X	O
*GOSR48GB3600C18ASC		3600	18-20-20-40		8GB	1.35V	O	O
*GOSR416GB3600C18ASC					16GB		O	O
*GOSR48GB3600C18BSC	18-22-22-42		8GB	O	O			
*GOSR416GB3600C18BSC			16GB	O	O			
*GOSR432GB3600C18BSC			32GB	O	O			
**GOSR48GB4000C18BSC			4000	18-24-24-44	8GB		O	X
**GOSR416GB4000C18BSC	16GB	O			X			
**GOSR432GB4000C18BSC	32GB	O			X			

*Note: Specific speed was only supported by Z390 motherboards.
 ** Note: Specific speed was only supported by Z490 motherboards.

Specifications & Model Numbers - Single Channel						
Titanium Gray Heat Spreader						
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel Z270/Z370/Z390
GOSG48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O
GOSG416GB2666C19SC			16GB		X	O
GOSG432GB2666C19SC			32GB		X	O
GOSG48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O
GOSG416GB3000C16ASC			16GB		O	O
GOSG48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O
GOSG416GB3200C16ASC			16GB		O	O
GOSG48GB3200C16BSC		16-20-20-40	8GB		O	O
GOSG416GB3200C16BSC			16GB		O	O
GOSG432GB3200C16BSC			32GB		O	O
GOSG416GB3200C18ASC		18-20-20-38	16GB		O	O
GOSG432GB3200C18ASC			32GB		O	O



GOSG416GB3200C18BSC		18-22-22-42	16GB		O	O
GOSG432GB3200C18BSC			32GB		O	O
*GOSG48GB3200C22SC	3200	22-22-22-52	8GB	1.2V	X	O
*GOSG416GB3200C22SC			16GB		X	O
*GOSG432GB3200C22SC			32GB		X	O
*GOSG48GB3600C18ASC	3600	18-20-20-40	8GB	1.35V	O	O
*GOSG416GB3600C18ASC			16GB		O	O
*GOSG48GB3600C18BSC		18-22-22-42	8GB		O	O
*GOSG416GB3600C18BSC			16GB		O	O
*GOSG432GB3600C18BSC			32GB		O	O
**GOSG48GB4000C18BSC			8GB		O	X
**GOSG416GB4000C18BSC	4000	18-24-24-44	16GB	1.4V	O	X
**GOSG432GB4000C18BSC			32GB		O	X

*Note: Specific speed was only supported by Z390 motherboards.
 ** Note: Specific speed was only supported by Z490 motherboards.

Specifications & Model Numbers - Dual Channel								
Racing Red Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel		
						Z270/Z370/Z390		
GOSR416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O		
GOSR432GB2666C19DC			32GB, 16GBx2		X	O		
GOSR464GB2666C19DC			64GB, 32GBx2		X	O		
GOSR416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O		
GOSR432GB3000C16ADC			32GB, 16GBx2		O	O		
GOSR416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O		
GOSR432GB3200C16ADC			32GB, 16GBx2		O	O		
GOSR416GB3200C16BDC		16-20-20-40	16GB, 8GBx2		O	O		
GOSR432GB3200C16BDC			32GB, 16GBx2		O	O		
GOSR464GB3200C16BDC			64GB, 32GBx2		O	O		
GOSR432GB3200C18ADC		18-20-20-38	32GB, 16GBx2		O	O		
GOSR464GB3200C18ADC			64GB, 32GBx2		O	O		
GOSR432GB3200C18BDC			18-22-22-42		32GB, 16GBx2	O	O	
GOSR464GB3200C18BDC		64GB, 32GBx2			O	O		
*GOSR416GB3200C22DC		22-22-22-52	22-22-22-52		16GB, 8GBx2	1.2V	X	O
*GOSR432GB3200C22DC					32GB, 16GBx2		X	O
*GOSR464GB3200C22DC					64GB, 32GBx2		X	O
*GOSR416GB3600C18ADC		3600	18-20-20-40		16GB, 8GBx2	1.35V	O	O
*GOSR432GB3600C18ADC					32GB, 16GBx2		O	O
*GOSR416GB3600C18BDC			18-22-22-42		16GB, 8GBx2		O	O
*GOSR432GB3600C18BDC	32GB, 16GBx2			O	O			
*GOSR464GB3600C18BDC	64GB, 32GBx2			O	O			
**GOSR416GB4000C18BDC	4000			18-24-24-44	16GB, 8GBx2		1.4V	O
**GOSR432GB4000C18BDC		32GB, 16GBx2	O		X			
**GOSR464GB4000C18BDC		64GB, 32GBx2	O		X			
GOSR416GB4266C18ADC	4266	18-24-24-44	16GB, 8GBx2	1.45V	O	O(ONLY Z590)		
**GOSR416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	O	X		
**GOSR416GB4400C19ADC		19-24-24-44	16GB, 8GBx2		O	X		

*Note: Specific speed was only supported by Z390 motherboards.
 **Note: Specific speed was only supported by Z490 motherboards.



Specifications & Model Numbers - Dual Channel								
Titanium Gray Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel		
						Z270/Z370/Z390		
GOSG416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O		
GOSG432GB2666C19DC			32GB, 16GBx2		X	O		
GOSG464GB2666C19DC			64GB, 32GBx2		X	O		
GOSG416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O		
GOSG432GB3000C16ADC			32GB, 16GBx2		O	O		
GOSG416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O		
GOSG432GB3200C16ADC			32GB, 16GBx2		O	O		
GOSG416GB3200C16BDC		16-20-20-40	16GB, 8GBx2		O	O		
GOSG432GB3200C16BDC			32GB, 16GBx2		O	O		
GOSG464GB3200C16BDC			64GB, 32GBx2		O	O		
GOSG432GB3200C18ADC			18-20-20-38		32GB, 16GBx2	O	O	
GOSG464GB3200C18ADC		64GB, 32GBx2			O	O		
GOSG432GB3200C18BDC		18-22-22-42			32GB, 16GBx2	O	O	
GOSG464GB3200C18BDC					64GB, 32GBx2	O	O	
*GOSG416GB3200C22DC		22-22-22-52	16GB, 8GBx2		1.2V	X	O	
*GOSG432GB3200C22DC			32GB, 16GBx2			X	O	
*GOSG464GB3200C22DC			64GB, 32GBx2			X	O	
*GOSG416GB3600C18ADC		3600	18-20-20-40		16GB, 8GBx2	1.35V	O	O
*GOSG432GB3600C18ADC					32GB, 16GBx2		O	O
*GOSG416GB3600C18BDC	18-22-22-42		16GB, 8GBx2	O	O			
*GOSG432GB3600C18BDC			32GB, 16GBx2	O	O			
*GOSG464GB3600C18BDC			64GB, 32GBx2	O	O			
**GOSG416GB4000C18BDC	4000	18-24-24-44	16GB, 8GBx2	1.4V	O	X		
**GOSG432GB4000C18BDC			32GB, 16GBx2		O	X		
**GOSG464GB4000C18BDC			64GB, 32GBx2		O	X		
GOSG416GB4266C18ADC	4266	18-24-24-44	16GB, 8GBx2	1.45V	O	O(ONLY Z590)		
**GOSG416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	O	X		
**GOSG416GB4400C19ADC		19-24-24-44	16GB, 8GBx2		O	X		

*Note: Specific speed was only supported by Z390 motherboards.
 **Note: Specific speed was only supported by Z490 motherboards.

Specifications & Model Numbers - Quad Channel						
Racing Red Heat Spreader						
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel
						Z270/Z370/Z390
GOSR432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O
GOSR464GB2666C19QC			64GB, 16GBx4		X	O
GOSR4128GB2666C19QC			128GB, 32GBx4		X	O
GOSR432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O
GOSR464GB3000C16AQC			64GB, 16GBx4		O	O
GOSR432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O
GOSR464GB3200C16AQC			64GB, 16GBx4		O	O
GOSR432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O
GOSR464GB3200C16BQC			64GB, 16GBx4		O	O
GOSR4128GB3200C16BQC			128GB, 32GBx4		O	O
GOSR464GB3200C18AQC					64GB, 16GBx4	O
GOSR4128GB3200C18AQC		18-20-20-38	128GB, 32GBx4		O	O
GOSR464GB3200C18BQC			64GB, 16GBx4		O	O
GOSR464GB3200C18BQC		18-22-22-42	64GB, 16GBx4		O	O

GOSR4128GB3200C18BQC			128GB, 32GBx4		O	O
*GOSR432GB3200C22QC		22-22-22-52	32GB, 8GBx4	1.2V	X	O
*GOSR464GB3200C22QC			64GB, 16GBx4		X	O
*GOSR4128GB3200C22QC			128GB, 32GBx4		X	O
*GOSR432GB3600C18BQC	3600		18-22-22-42		32GB, 8GBx4	1.35V
*GOSR464GB3600C18BQC		64GB, 16GBx4		O	O	
*GOSR4128GB3600C18BQC		128GB, 32GBx4		O	O	
**GOSR432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X

*Note: Specific speed was only supported by Z390 motherboards.
 ** Note: Specific speed was only supported by Z490 motherboards.

Specifications & Model Numbers - Quad Channel								
Titanium Gray Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	Intel		
						Z270/Z370/Z390		
GOSG432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O		
GOSG464GB2666C19QC			64GB, 16GBx4		X	O		
GOSG4128GB2666C19QC			128GB, 32GBx4		X	O		
GOSG432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O		
GOSG464GB3000C16AQC			64GB, 16GBx4		O	O		
GOSG432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O		
GOSG464GB3200C16AQC			64GB, 16GBx4		O	O		
GOSG432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O		
GOSG464GB3200C16BQC			64GB, 16GBx4		O	O		
GOSG4128GB3200C16BQC			128GB, 32GBx4		O	O		
GOSG464GB3200C18AQC		18-20-20-38	64GB, 16GBx4		O	O		
GOSG4128GB3200C18AQC			128GB, 32GBx4		O	O		
GOSG464GB3200C18BQC			18-22-22-42		64GB, 16GBx4	O	O	
GOSG4128GB3200C18BQC		128GB, 32GBx4			O	O		
*GOSG432GB3200C22QC		22-22-22-52	22-22-22-52		32GB, 8GBx4	1.2V	X	O
*GOSG464GB3200C22QC					64GB, 16GBx4		X	O
*GOSG4128GB3200C22QC					128GB, 32GBx4		X	O
*GOSG432GB3600C18BQC		3600	18-22-22-42		32GB, 8GBx4	1.35V	O	O
*GOSG464GB3600C18BQC					64GB, 16GBx4		O	O
*GOSG4128GB3600C18BQC					128GB, 32GBx4		O	O
**GOSG432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X		

*Note: Specific speed was only supported by Z390 motherboards.
 ** Note: Specific speed was only supported by Z490 motherboards.