

ORION RGB AMD Edition Memory Product Specifications



Specifications & Model Numbers - Single Channel										
Racing Red Heat Spreader										
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD				
						X470	B450	X570		
GAOSR48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O	O	O		
GAOSR416GB2666C19SC			16GB		X	O	O	O		
GAOSR432GB2666C19SC			32GB		X	O	O	O		
GAOSR48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O	O	O		
GAOSR416GB3000C16ASC			16GB		O	O	O	O		
GAOSR48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O	O	O		
GAOSR416GB3200C16ASC			16GB		O	O	O	O		
GAOSR48GB3200C16BSC		16-20-20-40	8GB		O	O	O	O		
GAOSR416GB3200C16BSC			16GB		O	O	O	O		
GAOSR432GB3200C16BSC			32GB		O	O	O	O		
GAOSR416GB3200C18ASC		18-20-20-38	16GB		O	O	O	O		
GAOSR432GB3200C18ASC			32GB		O	O	O	O		
GAOSR416GB3200C18BSC			18-22-22-42		16GB	O	O	O	O	
GAOSR432GB3200C18BSC					32GB	O	O	O	O	
*GAOSR48GB3200C22SC		22-22-22-52	22-22-22-52		8GB	1.2V	X	X	X	O
*GAOSR416GB3200C22SC					16GB		X	X	X	O
*GAOSR432GB3200C22SC					32GB		X	X	X	O
*GAOSR48GB3600C18ASC		3600	18-20-20-40		8GB	1.35V	O	X	X	O
*GAOSR416GB3600C18ASC					16GB		O	X	X	O
*GAOSR48GB3600C18BSC	18-22-22-42		8GB	O	X		X	O		
*GAOSR416GB3600C18BSC			16GB	O	X		X	O		
*GAOSR432GB3600C18BSC			32GB	O	X		X	O		
*GAOSR48GB4000C18BSC			4000	18-24-24-44	8GB		O	X	X	O
*GAOSR416GB4000C18BSC	16GB	O			X	X	O			
*GAOSR432GB4000C18BSC	32GB	O			X	X	O			

*Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.

Specifications & Model Numbers - Single Channel								
Titanium Gray Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD		
						X470	B450	X570
GAOSG48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O	O	O
GAOSG416GB2666C19SC			16GB		X	O	O	O
GAOSG432GB2666C19SC			32GB		X	O	O	O
GAOSG48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O	O	O
GAOSG416GB3000C16ASC			16GB		O	O	O	O
GAOSG48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O	O	O
GAOSG416GB3200C16ASC			16GB		O	O	O	O
GAOSG48GB3200C16BSC		16-20-20-40	8GB		O	O	O	O
GAOSG416GB3200C16BSC			16GB		O	O	O	O
GAOSG432GB3200C16BSC			32GB		O	O	O	O
GAOSG48GB3200C16BS		18-20-20-38	8GB		O	O	O	O
GAOSG416GB3200C18ASC			16GB		O	O	O	O
GAOSG432GB3200C18ASC			32GB		O	O	O	O



GAOSG416GB3200C18BSC		18-22-22-42	16GB		O	O	O	O
GAOSG432GB3200C18BSC			32GB		O	O	O	O
*GAOSG48GB3200C22SC	3200	22-22-22-52	8GB	1.2V	X	X	X	O
*GAOSG416GB3200C22SC			16GB		X	X	X	O
*GAOSG432GB3200C22SC			32GB		X	X	X	O
*GAOSG48GB3600C18ASC	3600	18-20-20-40	8GB	1.35V	O	X	X	O
*GAOSG416GB3600C18ASC			16GB		O	X	X	O
*GAOSG48GB3600C18BSC		18-22-22-42	8GB		O	X	X	O
*GAOSG416GB3600C18BSC			16GB		O	X	X	O
*GAOSG432GB3600C18BSC			32GB		O	X	X	O
*GAOSG48GB4000C18BSC	4000	18-24-24-44	8GB	1.4V	O	X	X	O
*GAOSG416GB4000C18BSC			16GB		O	X	X	O
*GAOSG432GB4000C18BSC			32GB		O	X	X	O

*Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.

Specifications & Model Numbers – Dual Channel											
Racing Red Heat Spreader											
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD					
						X470	B450	X570			
GAOSR416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O	O	O			
GAOSR432GB2666C19DC			32GB, 16GBx2		X	O	O	O			
GAOSR464GB2666C19DC			64GB, 32GBx2		X	O	O	O			
GAOSR416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O			
GAOSR432GB3000C16ADC			32GB, 16GBx2		O	O	O	O			
GAOSR416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O			
GAOSR432GB3200C16ADC			32GB, 16GBx2		O	O	O	O			
GAOSR416GB3200C16BDC		16-20-20-40	16GB, 8GBx2		O	O	O	O			
GAOSR432GB3200C16BDC			32GB, 16GBx2		O	O	O	O			
GAOSR464GB3200C16BDC			64GB, 32GBx2		O	O	O	O			
GAOSR432GB3200C18ADC		3200	18-20-20-38		32GB, 16GBx2	1.35V	O	O	O	O	
GAOSR464GB3200C18ADC					64GB, 32GBx2		O	O	O	O	
GAOSR432GB3200C18BDC			18-22-22-42		32GB, 16GBx2		O	O	O	O	
GAOSR464GB3200C18BDC					64GB, 32GBx2		O	O	O	O	
*GAOSR416GB3200C22DC			22-22-22-52		16GB, 8GBx2		1.2V	X	X	X	O
*GAOSR432GB3200C22DC					32GB, 16GBx2			X	X	X	O
*GAOSR464GB3200C22DC		64GB, 32GBx2			X	X		X	O		
*GAOSR416GB3600C18ADC	3600	18-20-20-40	16GB, 8GBx2	1.35V	O	X	X	O			
*GAOSR432GB3600C18ADC			32GB, 16GBx2		O	X	X	O			
*GAOSR416GB3600C18BDC		18-22-22-42	16GB, 8GBx2		O	X	X	O			
*GAOSR432GB3600C18BDC			32GB, 16GBx2		O	X	X	O			
*GAOSR464GB3600C18BDC			64GB, 32GBx2		O	X	X	O			
*GAOSR416GB4000C16ADC	4000	16-18-18-38	16GB, 8GBx2	1.45V	O	X	X	O			
*GAOSR416GB4000C18BDC		18-24-24-44	16GB, 8GBx2	1.4V	O	X	X	O			
*GAOSR432GB4000C18BDC			32GB, 16GBx2		O	X	X	O			
*GAOSR464GB4000C18BDC			64GB, 32GBx2		O	X	X	O			
*GAOSR416GB4266C18ADC	4266	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O			
*GAOSR432GB4266C18ADC			32GB, 16GBx2		O	X	X	O			
*GAOSR416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O			
*GAOSR416GB4400C19ADC		19-24-24-44	16GB, 8GBx2		O	X	X	O			

*Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.

Specifications & Model Numbers - Dual Channel										
Titanium Gray Heat Spreader										
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD				
						X470	B450	X570		
GAOSG416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O	O	O		
GAOSG432GB2666C19DC			32GB, 16GBx2		X	O	O	O		
GAOSG464GB2666C19DC			64GB, 32GBx2		X	O	O	O		
GAOSG416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O		
GAOSG432GB3000C16ADC			32GB, 16GBx2		O	O	O	O		
GAOSG416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O		
GAOSG432GB3200C16ADC			32GB, 16GBx2		O	O	O	O		
GAOSG416GB3200C16BDC			16-20-20-40		16GB, 8GBx2	O	O	O	O	
GAOSG432GB3200C16BDC		32GB, 16GBx2			O	O	O	O		
GAOSG464GB3200C16BDC		64GB, 32GBx2			O	O	O	O		
GAOSG432GB3200C18ADC		18-20-20-38	32GB, 16GBx2		O	O	O	O		
GAOSG464GB3200C18ADC			64GB, 32GBx2		O	O	O	O		
GAOSG432GB3200C18BDC			18-22-22-42		32GB, 16GBx2	O	O	O	O	
GAOSG464GB3200C18BDC		64GB, 32GBx2			O	O	O	O		
*GAOSG416GB3200C22DC		22-22-22-52			16GB, 8GBx2	X	X	X	O	
*GAOSG432GB3200C22DC			32GB, 16GBx2		X	X	X	O		
*GAOSG464GB3200C22DC			64GB, 32GBx2		X	X	X	O		
*GAOG416GB3600C18ADC		3600	18-20-20-40		16GB, 8GBx2	1.35V	O	X	X	O
*GAOSG432GB3600C18ADC					32GB, 16GBx2		O	X	X	O
*GAOSG416GB3600C18BDC			18-22-22-42		16GB, 8GBx2		O	X	X	O
*GAOSG432GB3600C18BDC	32GB, 16GBx2			O	X		X	O		
*GAOSG464GB3600C18BDC	64GB, 32GBx2			O	X		X	O		
*GAOSG416GB4000C16ADC	4000			16-18-18-38	16GB, 8GBx2		1.45V	O	X	X
*GAOSG416GB4000C18BDC		18-24-24-44	16GB, 8GBx2	1.4V	O	X	X	O		
*GAOSG432GB4000C18BDC			32GB, 16GBx2		O	X	X	O		
*GAOSG464GB4000C18BDC			64GB, 32GBx2		O	X	X	O		
*GAOSG416GB4266C18ADC		4266	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O	
*GAOSG432GB4266C18ADC	32GB, 16GBx2			O		X	X	O		
*GAOSG416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O		
*GAOSG416GB4400C19ADC		19-24-24-44	16GB, 8GBx2		O	X	X	O		

*Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.

Specifications & Model Numbers – Quad Channel								
Racing Red Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD		
						X470	B450	X570
GAOSR432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O	O	O
GAOSR464GB2666C19QC			64GB, 16GBx4		X	O	O	O
GAOSR4128GB2666C19QC			128GB, 32GBx4		X	O	O	O
GAOSR432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOSR464GB3000C16AQC			64GB, 16GBx4		O	O	O	O
GAOSR432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOSR464GB3200C16AQC			64GB, 16GBx4		O	O	O	O
GAOSR432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O	O	O
GAOSR464GB3200C16BQC			64GB, 16GBx4		O	O	O	O
GAOSR4128GB3200C16BQC			128GB, 32GBx4		O	O	O	O
GAOSR464GB3200C18AQC		18-20-20-38	64GB, 16GBx4		O	O	O	O
GAOSR4128GB3200C18AQC			128GB, 32GBx4		O	O	O	O
GAOSR464GB3200C18BQC			18-22-22-42		64GB, 16GBx4	O	O	O
GAOSR4128GB3200C18BQC		128GB, 32GBx4			O	O	O	O

*GAOSR432GB3200C22QC			32GB, 8GBx4		X	X	X	O
*GAOSR464GB3200C22QC		22-22-22-52	64GB, 16GBx4	1.2V	X	X	X	O
*GAOSR4128GB3200C22QC			128GB, 32GBx4		X	X	X	O
*GAOSR432GB3600C18BQC	3600	18-22-22-42	32GB, 8GBx4	1.35V	O	X	X	O
*GAOSR464GB3600C18BQC			64GB, 16GBx4		O	X	X	O
*GAOSR4128GB3600C18BQC			128GB, 32GBx4		O	X	X	O
*GAOSR432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X	X	O

***Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.**

Specifications & Model Numbers – Quad Channel										
Titanium Gray Heat Spreader										
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD				
						X470	B450	X570		
GAOSG432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O	O	O		
GAOSG464GB2666C19QC			64GB, 16GBx4		X	O	O	O		
GAOSG4128GB2666C19QC			128GB, 32GBx4		X	O	O	O		
GAOSG432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O		
GAOSG464GB3000C16AQC			64GB, 16GBx4		O	O	O	O		
GAOSG432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O		
GAOSG464GB3200C16AQC			64GB, 16GBx4		O	O	O	O		
GAOSG432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O	O	O		
GAOSG464GB3200C16BQC			64GB, 16GBx4		O	O	O	O		
GAOSG4128GB3200C16BQC			128GB, 32GBx4		O	O	O	O		
GAOSG464GB3200C18AQC		18-20-20-38	64GB, 16GBx4		O	O	O	O		
GAOSG4128GB3200C18AQC			128GB, 32GBx4		O	O	O	O		
GAOSG464GB3200C18BQC			18-22-22-42		64GB, 16GBx4	O	O	O	O	
GAOSG4128GB3200C18BQC		128GB, 32GBx4			O	O	O	O		
*GAOSG432GB3200C22QC		3600	22-22-22-52		32GB, 8GBx4	1.2V	X	X	X	O
*GAOSG464GB3200C22QC					64GB, 16GBx4		X	X	X	O
*GAOSG4128GB3200C22QC					128GB, 32GBx4		X	X	X	O
*GAOSG432GB3600C18BQC		3600	18-22-22-42		32GB, 8GBx4	1.35V	O	X	X	O
*GAOSG464GB3600C18BQC					64GB, 16GBx4		O	X	X	O
*GAOSG4128GB3600C18BQC					128GB, 32GBx4		O	X	X	O
*GAOSG432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X	X	O		

***Note: Specific speeds only support Ryzen 3000 processors with X570 motherboards.**