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ORION 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
GAOR48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O	O	O
GAOR416GB2666C19SC			16GB		X	O	O	O
GAOR432GB2666C19SC			32GB		X	O	O	O
GAOR48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O	O	O
GAOR416GB3000C16ASC			16GB		O	O	O	O
GAOR48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O	O	O
GAOR416GB3200C16ASC			16GB		O	O	O	O
GAOR48GB3200C16BSC		16-20-20-40	8GB		O	O	O	O
GAOR416GB3200C16BSC			16GB		O	O	O	O
*GAOR48GB3200C22SC		22-22-22-52	8GB	1.2V	X	X	X	O
*GAOR416GB3200C22SC			16GB		X	X	X	O
*GAOR432GB3200C22SC			32GB		X	X	X	O
*GAOR48GB3600C18ASC	3600	18-20-20-40	8GB	1.35V	O	X	X	O
*GAOR416GB3600C18ASC			16GB		O	X	X	O
*GAOR48GB3600C18BSC		18-22-22-42	8GB		O	X	X	O
*GAOR416GB3600C18BSC			16GB		O	X	X	O
*GAOR432GB3600C18BSC			32GB		O	X	X	O
*GAOR48GB4000C18BSC	4000	18-24-24-44	8GB	1.4V	O	X	X	O
*GAOR416GB4000C18BSC			16GB		O	X	X	O
*GAOR432GB4000C18BSC			32GB		O	X	X	O

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

Specifications & Model Numbers - **Single Channel**								
Titanium GrayHeat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD		
						X470	B450	X570
GAOG48GB2666C19SC	2666	19-19-19-43	8GB	1.2V	X	O	O	O
GAOG416GB2666C19SC			16GB		X	O	O	O
GAOG432GB2666C19SC			32GB		X	O	O	O
GAOG48GB3000C16ASC	3000	16-18-18-36	8GB	1.35V	O	O	O	O
GAOG416GB3000C16ASC			16GB		O	O	O	O
GAOG48GB3200C16ASC	3200	16-18-18-36	8GB	1.35V	O	O	O	O
GAOG416GB3200C16ASC			16GB		O	O	O	O
GAOG48GB3200C16BSC		16-20-20-40	8GB		O	O	O	O
GAOG416GB3200C16BSC			16GB		O	O	O	O
GAOG48GB3200C16BS			8GB		O	O	O	O
*GAOG48GB3200C22SC		22-22-22-52	8GB	1.2V	X	X	X	O
*GAOG416GB3200C22SC			16GB		X	X	X	O
*GAOG432GB3200C22SC			32GB		X	X	X	O
*GAOG48GB3600C18ASC	3600	18-20-20-40	8GB	1.35V	O	X	X	O
*GAOG416GB3600C18ASC			16GB		O	X	X	O
*GAOG48GB3600C18BSC		18-22-22-42	8GB		O	X	X	O
*GAOG416GB3600C18BSC			16GB		O	X	X	O
*GAOG432GB3600C18BSC			32GB		O	X	X	O

*GAOG48GB4000C18BSC	4000	18-24-24-44	8GB	1.4V	O	X	X	O
*GAOG416GB4000C18BSC			16GB		O	X	X	O
*GAOG432GB4000C18BSC			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
GAOR416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O	O	O
GAOR432GB2666C19DC			32GB, 16GBx2		X	O	O	O
GAOR464GB2666C19DC			64GB, 32GBx2		X	O	O	O
GAOR416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O
GAOR432GB3000C16ADC			32GB, 16GBx2		O	O	O	O
GAOR416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O
GAOR432GB3200C16ADC			32GB, 16GBx2		O	O	O	O
GOR416GB3200C16BDC		16-20-20-40	16GB, 8GBx2		O	O	O	O
GAOR432GB3200C16BDC			32GB, 16GBx2		O	O	O	O
GAOR464GB3200C16BDC			64GB, 32GBx2		O	O	O	O
*GAOR416GB3200C22DC		22-22-22-52	16GB, 8GBx2	1.2V	X	X	X	O
*GAOR432GB3200C22DC			32GB, 16GBx2		X	X	X	O
*GAOR464GB3200C22DC			64GB, 32GBx2		X	X	X	O
*GAOR416GB3600C18ADC	3600	18-20-20-40	16GB, 8GBx2	1.35V	O	X	X	O
*GAOR432GB3600C18ADC			32GB, 16GBx2		O	X	X	O
*GAOR416GB3600C18BDC		18-22-22-42	16GB, 8GBx2		O	X	X	O
*GAOR432GB3600C18BDC			32GB, 16GBx2		O	X	X	O
*GAOR464GB3600C18BDC			64GB, 32GBx2		O	X	X	O
*GAOR416GB4000C16ADC	4000	16-18-18-38	16GB, 8GBx2	1.45V	O	X	X	O
*GAOR416GB4000C18BDC		18-24-24-44	16GB, 8GBx2	1.4V	O	X	X	O
*GAOR432GB4000C18BDC			32GB, 16GBx2		O	X	X	O
*GAOR464GB4000C18BDC			64GB, 32GBx2		O	X	X	O
*GAOR416GB4266C18ADC	4266	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O
*GAOR432GB4266C18ADC			32GB, 16GBx2		O	X	X	O
*GAOR416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O

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

Specifications & Model Numbers - Dual **Channel**								
Titanium GrayHeat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD		
						X470	B450	X570
GAOG416GB2666C19DC	2666	19-19-19-43	16GB, 8GBx2	1.2V	X	O	O	O
GAOG432GB2666C19DC			32GB, 16GBx2		X	O	O	O
GAOG464GB2666C19DC			64GB, 32GBx2		X	O	O	O
GAOG416GB3000C16ADC	3000	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O
GAOG432GB3000C16ADC			32GB, 16GBx2		O	O	O	O
GAOG416GB3200C16ADC	3200	16-18-18-36	16GB, 8GBx2	1.35V	O	O	O	O
GAOG432GB3200C16ADC			32GB, 16GBx2		O	O	O	O
GOG416GB3200C16BDC		16-20-20-40	16GB, 8GBx2		O	O	O	O
GAOG432GB3200C16BDC			32GB, 16GBx2		O	O	O	O
GAOG464GB3200C16BDC			64GB, 32GBx2		O	O	O	O
*GAOG416GB3200C22DC		22-22-22-52	16GB, 8GBx2	1.2V	X	X	X	O
*GAOG432GB3200C22DC			32GB, 16GBx2		X	X	X	O
*GAOG464GB3200C22DC			64GB, 32GBx2		X	X	X	O

*GAOG416GB3600C18ADC	3600	18-20-20-40	16GB, 8GBx2	1.35V	O	X	X	O
*GAOG432GB3600C18ADC			32GB, 16GBx2		O	X	X	O
*GAOG416GB3600C18BDC		18-22-22-42	16GB, 8GBx2		O	X	X	O
*GAOG432GB3600C18BDC			32GB, 16GBx2		O	X	X	O
*GAOG464GB3600C18BDC			64GB, 32GBx2		O	X	X	O
*GAOG416GB4000C16ADC	4000	16-18-18-38	16GB, 8GBx2	1.45V	O	X	X	O
*GAOG416GB4000C18BDC		18-24-24-44	16GB, 8GBx2	1.4V	O	X	X	O
*GAOG432GB4000C18BDC			32GB, 16GBx2		O	X	X	O
*GAOG464GB4000C18BDC			64GB, 32GBx2		O	X	X	O
*GAOG416GB4266C18ADC	4266	18-24-24-44	16GB, 8GBx2	1.45V	O	X	X	O
*GAOG432GB4266C18ADC			32GB, 16GBx2		O	X	X	O
*GAOG416GB4400C18ADC	4400	18-24-24-44	16GB, 8GBx2	1.45V	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
GAOR432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O	O	O
GAOR464GB2666C19QC			64GB, 16GBx4		X	O	O	O
GAOR4128GB2666C19QC			128GB, 32GBx4		X	O	O	O
GAOR432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOR464GB3000C16AQC			64GB, 16GBx4		O	O	O	O
GAOR432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOR464GB3200C16AQC			64GB, 16GBx4		O	O	O	O
GAOR432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O	O	O
GAOR464GB3200C16BQC			64GB, 16GBx4		O	O	O	O
GAOR4128GB3200C16BQC			128GB, 32GBx4		O	O	O	O
GAOR464GB3200C18AQC		18-20-20-38	64GB, 16GBx4		O	O	O	O
GAOR4128GB3200C18AQC			128GB, 32GBx4		O	O	O	O
GAOR464GB3200C18BQC		18-22-22-42	64GB, 16GBx4		O	O	O	O
GAOR4128GB3200C18BQC			128GB, 32GBx4		O	O	O	O
*GAOR432GB3200C22QC		22-22-22-52	32GB, 8GBx4	1.2V	X	X	X	O
*GAOR464GB3200C22QC			64GB, 16GBx4		X	X	X	O
*GAOR4128GB3200C22QC			128GB, 32GBx4		X	X	X	O
*GAOR432GB3600C18BQC	3600	18-22-22-42	32GB, 8GBx4	1.35V	O	X	X	O
*GAOR464GB3600C18BQC			64GB, 16GBx4		O	X	X	O
*GAOR4128GB3600C18BQC			128GB, 32GBx4		O	X	X	O
*GAOR432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X	X	O

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Specifications & Model Numbers – **Quad Channel**								
Titanium Gray Heat Spreader								
Model Number	Frequency	CAS Latency	Capacity	Voltage	XMP Support	AMD		
						X470	B450	X570
GAOG432GB2666C19QC	2666	19-19-19-43	32GB, 8GBx4	1.2V	X	O	O	O
GAOG464GB2666C19QC			64GB, 16GBx4		X	O	O	O
GAOG4128GB2666C19QC			128GB, 32GBx4		X	O	O	O
GAOG432GB3000C16AQC	3000	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOG464GB3000C16AQC			64GB, 16GBx4		O	O	O	O
GAOG432GB3200C16AQC	3200	16-18-18-36	32GB, 8GBx4	1.35V	O	O	O	O
GAOG464GB3200C16AQC			64GB, 16GBx4		O	O	O	O
GAOG432GB3200C16BQC		16-20-20-40	32GB, 8GBx4		O	O	O	O

GAOG464GB3200C16BQC			64GB, 16GBx4		O	O	O	O
GAOG4128GB3200C16BQC			128GB, 32GBx4		O	O	O	O
GAOG464GB3200C18AQC		18-20-20-38	64GB, 16GBx4		O	O	O	O
GAOG4128GB3200C18AQC			128GB, 32GBx4		O	O	O	O
GAOG464GB3200C18BQC		18-22-22-42	64GB, 16GBx4		O	O	O	O
GAOG4128GB3200C18BQC			128GB, 32GBx4		O	O	O	O
*GAOG432GB3200C22QC		22-22-22-52	32GB, 8GBx4	1.2V	X	X	X	**O**
*GAOG464GB3200C22QC			64GB, 16GBx4		X	X	X	**O**
*GAOG4128GB3200C22QC			128GB, 32GBx4		X	X	X	**O**
*GAOG432GB3600C18BQC	3600	18-22-22-42	32GB, 8GBx4	1.35V	O	X	X	**O**
*GAOG464GB3600C18BQC			64GB, 16GBx4		O	X	X	**O**
*GAOG4128GB3600C18BQC			128GB, 32GBx4		O	X	X	**O**
*GAOG432GB4000C18BQC	4000	18-24-24-44	32GB, 8GBx4	1.4V	O	X	X	**O**

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