

# DDR4 Mini-RDIMM Mini-UDIMM

## Standard / ULP Industrial Grade Memory Modules

4GB, 8GB, 16GB and 32GB

Industrial Embedded  
Technology for an  
Interconnected World

**DDR4 Mini-RDIMM and  
Mini-UDIMM modules are  
excellent solutions for  
server blades, networking,  
and telecom applications**



**Designed, programmed, built  
and supported in the U.S. -  
fortified by locations  
worldwide.**

### Overview

Virtium's latest DDR4 Mini-RDIMM and UDIMM Memory Modules based on JEDEC standards are now available.

Like all Virtium products, these new memory modules are built upon the company's two decades of design innovation and US manufacturing expertise, along with the latest functional and form-factor improvements.

These modules work for a variety of industrial embedded computer applications. They are available in both 30mm standard and 17.78mm ultra-low-profile (ULP) form factors. ULP is perfect for space-constrained applications such as 1U or blade card designs.

### Features

- Standard and industrial temperature
- Operating voltage at 1.2V resulting in 20% less power consumed compared to DDR3
- 5-year warranty
- Enhanced reliability options such as:
  - Conformal coating
  - Chip underfill
  - Thermal heat spreaders

Specifications	
<b>Technology</b>	DDR4 288-pin JEDEC MO-314A
<b>Registered</b>	Yes
<b>ECC</b>	Yes
<b>Voltage</b>	1.2V (20% less power consumed than DDR3)
<b>Height</b>	Standard = 30mm / ULP = 17.78mm
<b>Density</b>	4GB, 8GB, 16GB and 32GB
<b>Speed</b>	PC4-1600 to PC4-2133
<b>Configuration</b>	x8 and x4
<b>Rank</b>	1 and 2
<b>Standard Temperature</b>	0°C to 85°C
<b>Extended and Industrial Temperature</b>	-25°C to 95°C and -40°C to 95°C
<b>Warranty</b>	5 years

## Ordering Information

DDR4 Standard Mini-URDIMM (30mm) / 2133MT/s	
VL53A5463A-N6SD	4GB
VL53A1G63A-N6SD	8GB
VL53A2G63A-N6SB	16GB
VL53A4K60A-N6SB	32GB
DDR4 Standard Mini-UDIMM (30mm) / 2133MT/s	
VL53A5463A-N6SD	4GB
VL53A1G63A-N6SD	8GB
VL53A2G63A-N6SB	16GB
DDR4 ULP Mini-RDIMM (17.78mm) / 2133MT/s	
VL53A5463F-N6SD	4GB
VL53A1G63F-N6SD	8GB
VL33A2G63F-N6SB	8GB
DDR4 ULP Mini-UDIMM (17.78mm) / 2133MT/s	
VL53A5463F-N6SD	4GB
VL53A1G63F-N6SD	8GB
VL53A2G63F-N6SB	16GB

Virtium manufactures memory and storage solutions for the world's top industrial embedded OEMs. For nearly two decades we have designed, built and supported our products in the USA - fortified by a network of global locations. Our world-class technology and unsurpassed support provide a superior customer experience that continuously results in better industrial embedded products for our increasingly interconnected world.

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