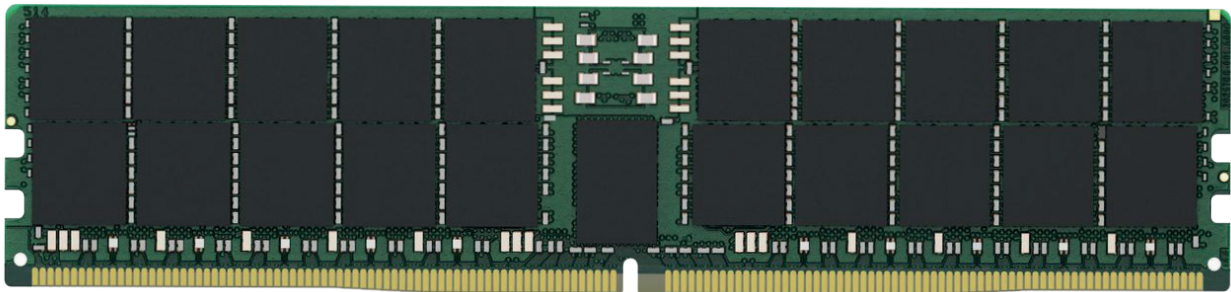




# Memory

RDIMM DDR5-5600



## FEATURES

### Faster load times and file transfers

CIARA DDR5 Desktop Memory can empower your computer to transfer 50% more data than DDR4 at launch, resulting in faster load times, file transfers, downloads, refresh rates and less lag time. Due to higher bus efficiency, DDR5 technology is not just faster than the previous generation, it's better.

### More responsive multitasking

CIARA DDR5 offers 50% faster speeds than DDR4 at launch, empowering users with extreme performance right out of the box. Even more impressive, CIARA DDR5 is optimized for enhanced performance and multitasking, not just during testing, but in real-world conditions. Opening more browser tabs and switching between apps now feels more responsive than ever.

### Extreme innovation for stable performance

CIARA DDR5 takes an extreme step forward in engineering over the previous generation with two independent 32-bit channels per module for optimized performance. Designed with on-die ECC (ODECC) at the component level for long-term stability, CIARA DDR5 is engineered to maintain the same reliability as the previous generation, even with the rigorous demands of next-gen computing.

### Optimized power efficiency

For improved efficiency and stability, CIARA DDR5 introduces on-module voltage regulation with a power management integrated circuit (PMIC), which was on the motherboard with older memory technologies. This results in improved signaling and cleaner power for the modules (DIMMs). Moreover, DDR5's on-module operating voltage is only 1.1V compared to DDR4's 1.2V.

## SPECIFICATIONS

|                 |                                                                |                |        |        |
|-----------------|----------------------------------------------------------------|----------------|--------|--------|
| TECHNOLOGY      |                                                                | DDR5           |        |        |
| MODULE TYPE     |                                                                | RDIMM          |        |        |
| PART NUMBER     |                                                                | 234277         | 234278 | 234279 |
| CHARACTERISTICS | Capacity                                                       | 16 GB          | 32 GB  | 64 GB  |
|                 | Voltage                                                        | 1.1 V          |        |        |
|                 | Bus type                                                       | PC5-44800      |        |        |
|                 | Pins                                                           | 288            |        |        |
|                 | DIMM type                                                      | Registered ECC |        |        |
|                 | Row Cycle Time                                                 | 48 ns(min.)    |        |        |
|                 | Refresh to Active/<br>Refresh Command Time                     | 295 ns(min.)   |        |        |
|                 | Row Active Time                                                | 32 ns(min.)    |        |        |
|                 | Row Precharge Time                                             | 16 ns(min.)    |        |        |
| SPEED & TIMING  | Speed                                                          | DDR5-5600 MT/s |        |        |
|                 | CASLatency                                                     | 46             |        |        |
|                 | Extended timing                                                | 46-45-45       |        |        |
| WARRANTY        | CIARA offers different warranty levels for different products. |                |        |        |