

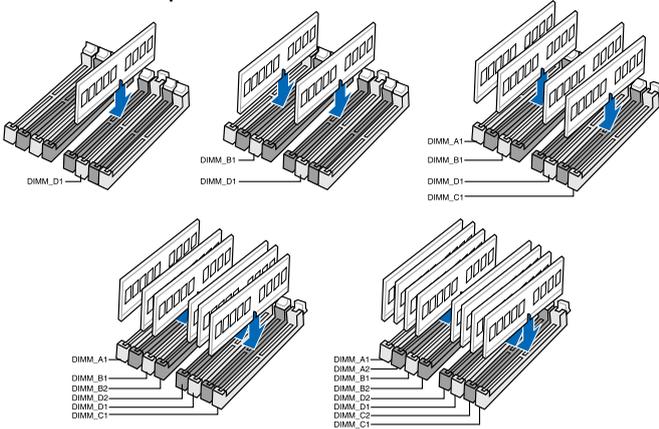
ASUS X79 Motherboards 8-DIMM Memory Installation Guide

Built for ultimate flexibility and better performance with an 8-DIMM design

Support for up to 64GB of system memory with an 8-DIMM design on ASUS X79 motherboards provides the capacity for users to make full use of modern 64-bit software, ideal for rendering detailed images or manipulating large files without the bottlenecks of conventional storage. It also allows users to set up big RAM disks and speed up frequently accessed programs, minimizing the impact of storage transfer delays while maximizing user benefit.

Recommended memory configurations

You may install 1GB, 2GB, 4GB and 8GB unbuffered non-ECC DDR3 DIMMs into the DIMM sockets.



For each DRAM channel (A,B,C,D), make sure to install the DRAM module to **blue slot(P9X79 series) / beige slot(TUF series) / red slot(ROG series)** first.

- **1 DIMM:** Supports one (1) module inserted into any blue slot(P9X79 series) / beige slot(TUF series) / red slot(ROG series) as Single-channel memory configuration. **Install the module into the D1 slot for better compatibility.**
- **2 DIMMs:** Supports two (2) modules inserted into one pair of blue slots(P9X79 series) / beige slots(TUF series) / red slots(ROG series) as one pair of Dual-channel memory configuration. **Install the modules into slots B1 and D1 for better compatibility.**
- **4 DIMMs:** Supports four (4) modules inserted into four blue slots(P9X79 series) / beige slots(TUF series) / red slots(ROG series) as two pairs of Quad-channel memory configuration. **Install the modules into slots A1/B1/C1/D1 for better compatibility.**
- **6 DIMMs:** Supports six (6) modules inserted into four blue slots(P9X79 series) / beige slots(TUF series) / red slots(ROG series) and one pair of black slots(P9X79 series; ROG series) / brown slots(TUF series) as three pairs of Quad-channel memory configurations. **Install the modules into slots A1/B1/B2/C1/D1/D2 for better compatibility.**
- **8 DIMMs:** Supports eight (8) modules inserted into **all the slots** as fully-loaded Quad-channel memory configurations.

