

N9 X870E

AMD CPU Support List

Last Updated

03/24/2025

| Socket | Family | Processor Number | Core | Frequency | L2 Cache | L3 Cache | Power | Validated BIOS | Bootable since BIOS |
|--------|-------------|----------------------------|---------------|-----------|----------|----------|---------|----------------|---------------------|
| AM5 | Ryzen 9 | 9950X (100-000001277-60) | Granite Ridge | 4.3GHz | 16MB | 64MB | 170W | All | All |
| AM5 | Ryzen 9 | 9950X3D (100-000000719) | Granite Ridge | 4.3GHz | 16MB | 128MB | 170W | 3.16 | 3.16 |
| AM5 | Ryzen 9 | 9900X3D (100-000001368) | Granite Ridge | 4.4GHz | 12MB | 128MB | 120W | 3.16 | 3.16 |
| AM5 | Ryzen 9 | 9900X (100-000000662-00) | Granite Ridge | 4.4GHz | 12MB | 64MB | 120W | All | All |
| AM5 | Ryzen 7 | 9800X3D (100-000001084) | Granite Ridge | 4.7GHz | 8MB | 96MB | 120W | All | All |
| AM5 | Ryzen 7 | 9700X (100-000001404-00) | Granite Ridge | 3.8GHz | 8MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | 9600X (100-000001405-10) | Granite Ridge | 3.9GHz | 6MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | 9600 (100-000000718) | Granite Ridge | 3.8GHz | 6MB | 32MB | 65W | 3.16 | 3.16 |
| AM5 | Ryzen 5 | 8600G (100-000001237) | Phoenix | 4.3GHz | 6MB | 16MB | 65W | All | All |
| AM5 | Ryzen 7 | 8700G (100-000001236) | Phoenix | 4.2GHz | 8MB | 16MB | 65W | All | All |
| AM5 | Ryzen 3 PRO | PRO 8300G (100-000001187) | Phoenix | 3.45GHz | 4MB | 8MB | 65W/45W | All | All |
| AM5 | Ryzen 5 PRO | PRO 8500G (100-000001183) | Phoenix | 3.55GHz | 6MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 3 | 8300G (100-000001186) | Phoenix | 3.45GHz | 4MB | 8MB | 65W/45W | All | All |
| AM5 | Ryzen 5 | 8500G (100-000000931) | Phoenix | 3.5GHz | 6MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 5 PRO | PRO 8600G (100-000001239) | Phoenix | 4.35GHz | 6MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 3 | 8300GE (100-000001188) | Phoenix | 3.5GHz | 4MB | 8MB | 35W | All | All |
| AM5 | Ryzen 5 | 8500GE (100-000001184) | Phoenix | 3.4GHz | 6MB | 16MB | 35W | All | All |
| AM5 | Ryzen 7 PRO | PRO 8700G (100-000001238) | Phoenix | 4.2GHz | 8MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 3 PRO | PRO 8300GE (100-000001189) | Phoenix | 3.5GHz | 4MB | 8MB | 35W | All | All |
| AM5 | Ryzen 5 PRO | PRO 8500GE (100-000001185) | Phoenix | 3.4GHz | 6MB | 16MB | 35W | All | All |
| AM5 | Ryzen 7 PRO | PRO 8700GE (100-000001240) | Phoenix | 3.65GHz | 8MB | 16MB | 35W | All | All |
| AM5 | Ryzen 5 PRO | PRO 8600GE (100-000001241) | Phoenix | 3.9GHz | 6MB | 16MB | 35W | All | All |
| AM5 | Ryzen 7 | 8700F (100-000001590) | Phoenix | 4.1GHz | 8MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 5 | 8400F (100-000001591) | Phoenix | 4.2GHz | 6MB | 16MB | 65W/45W | All | All |
| AM5 | Ryzen 9 | 7950X3D (100-000000908) | Raphael | 4.2GHz | 16MB | 128MB | 120W | All | All |
| AM5 | Ryzen 9 | 7900X3D (100-000000909) | Raphael | 4.4GHz | 12MB | 128MB | 120W | All | All |
| AM5 | Ryzen 9 | 7950X (100-000000514-00) | Raphael | 4.5GHz | 16MB | 64MB | 170W | All | All |
| AM5 | Ryzen 9 | 7900X (100-000000589-00) | Raphael | 4.7GHz | 12MB | 64MB | 170W | All | All |
| AM5 | Ryzen 9 | 7900 (100-000000590) | Raphael | 3.7GHz | 12MB | 64MB | 65W | All | All |
| AM5 | Ryzen 9 | Pro 7945 (100-000000598) | Raphael | 3.7GHz | 12MB | 64MB | 65W | All | All |
| AM5 | Ryzen 7 | 7800X3D (100-000000910) | Raphael | 4.2GHz | 8MB | 96MB | 120W | All | All |
| AM5 | Ryzen 7 | 7700X (100-000000591-00) | Raphael | 4.5GHz | 8MB | 32MB | 105W | All | All |
| AM5 | Ryzen 7 | 7700 (100-000000592) | Raphael | 3.8GHz | 8MB | 32MB | 65W | All | All |
| AM5 | Ryzen 7 | Pro 7745 (100-000000599) | Raphael | 3.8GHz | 8MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | 7600X (100-000000593-00) | Raphael | 4.7GHz | 8MB | 32MB | 105W | All | All |
| AM5 | Ryzen 5 | 7600 (100-000001015) | Raphael | 3.8GHz | 6MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | 7500F (100-000000597) | Raphael | 3.7GHz | 6MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | Pro 7645 (100-000000600) | Raphael | 3.8GHz | 6MB | 32MB | 65W | All | All |
| AM5 | Ryzen 5 | 7600X3D (100-000001721) | Raphael | 4.1GHz | 6MB | 96MB | 65W | All | All |
| AM5 | Ryzen 5 | 7400F (100-000001845) | Raphael | 3.7GHz | 6MB | 32MB | 65W | 3.16 | 3.16 |