Apple Mac mini (2024), M4 (16GB/256GB tested config)



Dimensions	5″ W × 2″ H × 5″ D
Mounting	5.0 x 5.0 x 2.0 in footprint; no mounting holes
Weight	1.5 lb
Material	Aluminum enclosure (Apple tech specs list 'More than 50% recycled content'; alloy not stated on spec page)
Finish / colors	Silver
Electrical	volts: 100-240V AC · watts: 4 W idle / 65 W max (155 W max continuous rating) · plug: AC power cord (1.8 m) included
Airflow / capacity	14 BTU/h idle / 222 BTU/h max
Where it goes in UNIT5.xyz	Inside a Mac mini rack mount (Sonnet/MK1) or on a shelf.
Warranty	Apple One (1) Year Limited Warranty (https://www.apple.com/legal/warranty/products/embedded-mac-warranty-us.html)

The manufacturer's product page follows on the next page (printed from their site).

Mac mini power consumption and thermal output (BTU) information

Learn about the power consumption and thermal output of Mac mini computers.

Mac mini (M6)

Apple M6 chip, 16GB unified memory, 256GB SSD

Power Consumption		Thermal Output	
Idle	**Max**	**Idle**	**Max**
4 W	70 W	14 BTU/h	239 BTU/h

Mac mini (M5 Pro)

Apple M5 Pro chip, 64GB unified memory, 8TB SSD

Power Consumption		Thermal Output	
Idle	**Max**	**Idle**	**Max**
6 W	145 W	20 BTU/h	495 BTU/h

Mac mini (2024)

Apple M4 chip, 16GB unified memory, 256GB SSD

Power Consumption		Thermal Output	
Idle	**Max**	**Idle**	**Max**
4 W	65 W	14 BTU/h	222 BTU/h

Mac mini (2024)

Apple M4 Pro chip, 64GB unified memory, 8TB SSD

Power Consumption		Thermal Output	
Idle	**Max**	**Idle**	**Max**
5 W	140 W	17 BTU/h	478 BTU/h

Mac mini (2023)

Apple M2 chip, 24GB unified memory, 2TB SSD

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
7 W	50 W	24 BTU/h	171 BTU/h

Mac mini (2023)

Apple M2 Pro chip, 32GB unified memory, 8TB SSD

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
7 W	100 W	24 BTU/h	358 BTU/h

Mac mini (M1, 2020)

Apple M1 chip, 16GB unified memory, 2TB SSD

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
6.8 W	39 W	23.2 BTU/h	133 BTU/h

Mac mini (2018)

3.2GHz 6-core Intel Core i7, 64GB 2666MHz DDR4, 2TB SSD, Intel UHD Graphics 630

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
19.9 W	122 W	68 BTU/h	417 BTU/h

Mac mini (Late 2014)

1.4GHz dual-core Intel Core i5, 4GB 1600MHz LPDDR3, 500GB 5400-rpm HDD, Intel HD Graphics 5000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
6 W	85 W	20 BTU/h	290 BTU/h

Mac mini (Late 2014)

2.6GHz dual-core Intel Core i5, 8GB 1600MHz LPDDR3, 1TB 5400-rpm HDD, Intel Iris Graphics

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
6 W	85 W	20 BTU/h	290 BTU/h

Mac mini (Late 2014)

2.8GHz dual-core Intel Core i5, 8GB 1600MHz LPDDR3, 1TB Fusion Drive, Intel Iris Graphics

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
6 W	85 W	20 BTU/h	290 BTU/h

Mac mini (Late 2012)

2.5GHz dual-core Intel Core i5, 4GB 1600MHz DDR3 (2x2GB), 500GB 5400-rpm HDD, Intel HD Graphics 4000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
11 W	85 W	38 BTU/h	290 BTU/h

Mac mini (Late 2012)

2.3GHz quad-core Intel Core i7, 4GB 1600MHz DDR3 (2x2GB), 1TB 5400-rpm HDD, Intel HD Graphics 4000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
11 W	85 W	38 BTU/h	290 BTU/h

Mac mini with OS X Server (Late 2012)

2.3GHz quad-core Intel Core i7, 4GB 1600MHz DDR3 (2x2GB), two 1TB 5400-rpm HDDs, Intel HD Graphics 4000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
13 W	85 W	45 BTU/h	290 BTU/h

Mac mini (Mid 2011)

2.3GHz dual-core Intel Core i5, 2GB 1333MHz DDR3 (2x1GB), 500GB 5400-rpm HDD, Intel HD Graphics 3000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
11 W	85 W	38 BTU/h	290 BTU/h

Mac mini (Mid 2011)

2.5GHz dual-core Intel Core i5 or 2.7GHz dual-core Intel Core i7, 4GB 1333MHz DDR3 (2x2GB), 500GB 5400-rpm HDD, AMD Radeon HD 6630M with 256MB of GDDR5 memory

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
14 W	85 W	48 BTU/h	290 BTU/h

Mac mini with OS X Server (Mid 2011)

2.0GHz quad-core Intel Core i7, 4GB 1333MHz DDR3 (2x2GB), two 500GB 7200-rpm HDDs, Intel HD Graphics 3000

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
12 W	85 W	41 BTU/h	290 BTU/h

Mac mini (Mid 2010)

2.4GHz or 2.66GHz Core 2 Duo, 8GB 1066MHz DDR3 (2x4GB), 320GB 5400-rpm HDD, built-in GeForce 320M, SuperDrive

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
10 W	85 W	34 BTU/h	290 BTU/h

Mac mini with Snow Leopard Server (Mid 2010)

2.66GHz Core 2 Duo, 8GB 1066MHz DDR3 (2x4GB), two 500GB 7200-rpm HDD, built-in GeForce 320M

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**

11 W	85 W	38 BTU/h	290 BTU/h

Mac mini (Late 2009)

2.26GHz or 2.53GHz Core 2 Duo, 4GB 1066MHz DDR3 SDRAM (2x2GB), 320GB 5400-rpm HDD, built-in GeForce 9400M, SuperDrive

Power Consumption		**Thermal Output**	
Idle	**CPU Max**	**Idle**	**CPU Max**
14 W	110 W	48 BTU/h	376 BTU/h

Mac mini with Snow Leopard Server (Late 2009)

2.53GHz Core 2 Duo, 4GB 1066MHz DDR3 SDRAM (2x2GB), two 500GB 5400-rpm HDDs, built-in GeForce 9400M

Power Consumption		**Thermal Output**	
Idle	**CPU Max**	**Idle**	**CPU Max**
15 W	110 W	51 BTU/h	376 BTU/h

Mac mini (Early 2009)

2.0 GHz Core 2 Duo, 2GB 1066MHz DDR3 SDRAM (2x1GB), 320GB 5400-rpm HDD, built-in GeForce 9400M, SuperDrive

Power Consumption		**Thermal Output**	
Idle	**CPU Max**	**Idle**	**CPU Max**
13 W	110 W	44 BTU/h	376 BTU/h

Mac mini (Mid 2007)

1.83 GHz or 2.0 GHz Core 2 Duo, 512MB 667MHz DDR2 SDRAM (2x256), 80GB 5400-rpm HDD, built-in GMA 950 (shared 64MB), Combo drive

Power Consumption	**Thermal Output**

Idle	CPU Max	Idle	CPU Max
23 W	110 W	79 BTU/h	376 BTU/h

Mac mini (Late 2006)

1.83 GHz Core Duo, 512MB 667MHz DDR2 SDRAM (2x256), 80GB 5400-rpm HDD, built-in GMA 950 (shared 64MB), Combo drive

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
23 W	110 W	79 BTU/h	376 BTU/h

Mac mini (Early 2006)

1.5 GHz Core Solo, 512MB 667MHz DDR2 SDRAM (2x256), 60GB 5400-rpm HDD, built-in GMA 950 (shared 64MB), Combo drive

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
23 W	110 W	79 BTU/h	376 BTU/h

Mac mini

1.25 GHz PowerPC G4, 256MB 333MHz DDR SDRAM (1x256), 40GB 4200-rpm HDD, built-in 32MB DDR RV280, Combo drive

Power Consumption		Thermal Output	
Idle	**CPU Max**	**Idle**	**CPU Max**
32 W	85 W	110 BTU/h	290 BTU/h

Notes

1. Power consumption data (Watts) is measured from the wall power source and includes all power supply and system losses. Additional correction is not needed.

2. CPU Max is defined as running a compute-intensive test application that maximizes processor usage and therefore power consumption.
3. "Idle" reflects the power used with only Finder open, using the default power management settings.

Published Date: September 21, 2026

Helpful? Yes No

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