Mac Studio Max (2022) – Technical Specifications

- **Chips**: Apple M1 Ultra with 20-core CPU, 48-core GPU, and 32-core Neural Engine, Apple M1 Max with 10-core CPU, 32-core GPU, and 16-core Neural Engine
- **Core Architecture**: Apple silicon, 5-nanometer process
- **GPU**: 4096 CUDA cores, 80 compute units
- **Neural Engine**: 32-core Neural Engine
- **Connectivity**: Thunderbolt 3, two 10Gb Ethernet ports, up to eight Thunderbolt ports (up to 40Gb/s), USB 3.1 Gen 2 (up to 10Gb/s)
- **Hardware**: Apple silicon chip, single-chip design, unified memory
- **Video**: Native support for up to four Pro Display XDRs (6K resolution at 60Hz and over a billion colors)
- **Video Decode**: Two 4K displays (4K resolution at 60Hz and over a billion colors) over HDMI
- **Audio**: Stereo speakers, headphone output, microphone
- **Storage Options**: 128GB, 256GB, 512GB, 1TB, 2TB, 4TB, 8TB SSD
- **Power**: Max continuous power: 370W
- **Frequency**: 50Hz to 60Hz, single phase
- **Weight**: 20.2 pounds (9.2 kilograms)
- **Size**: Depth: 3.7cm, Height: 9.5cm, Width: 20.2cm
- **Depth**: 9.5 inches, Height: 3.7 inches, Width: 20.2 inches
- **Ethernet**: Two 10Gb Ethernet ports with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connectors
- **Power Connection**: Three-pin AC power cord, mixed SAA, UL, and CSA standards
- **Sound Pressure Level**: 5.9 dB (A, weighted) at operator position
- **Operating Temperature**: 11°F to 95°F (–24°C to 35°C)
- **Humidity**: 9% to 90% noncondensing
- **Operating Altitude**: 0 to 14,000 feet (0 to 4,271 meters)
- **Weight (empty)**: 19.6 pounds (8.9 kilograms)
- **Weight (with power cord)**: 20.2 pounds (9.2 kilograms)
- **Weight (with power cord and power)**: 20.2 pounds (9.2 kilograms)
- **Sound Pressure Level (in decibel)**: 5.9 dB (A, weighted) at operator position
- **Input Power**: 100-240V, 50-60Hz, single phase
- **Protection**: IEC 60950-1, UL 60950-1, ETSI EN 60950-1, GS, EN 60950-1, CE, FCC Class B, ICES-003 Class B
- **ENERGY STAR® and EPEAT® Registered**: ENERGY STAR® and EPEAT® Registered
- **Year Manufactured**: 2022

Mac Studio Max 4TB (M1 Max, 8-core CPU, 12-core GPU) Key Features:

- **Chip**: Apple M1 Max, 12-core CPU, 32-core GPU, and 16-core Neural Engine
- **Connectivity**: Two Thunderbolt 3 ports (40Gb/s), two 10Gb Ethernet ports, up to eight Thunderbolt ports (40Gb/s), USB 3.1 Gen 2 (20Gb/s), HDMI 2.1
- **Video**: Native support for up to four Pro Display XDRs (6K resolution at 60Hz and over a billion colors)
- **Audio**: Stereo speakers, headphone output, microphone
- **Storage Options**: 128GB, 256GB, 512GB, 1TB, 2TB, 4TB, 8TB SSD
- **Power**: Max continuous power: 370W
- **Frequency**: 50Hz to 60Hz, single phase
- **Weight**: 20.2 pounds (9.2 kilograms)
- **Size**: Depth: 3.7cm, Height: 9.5cm, Width: 20.2cm
- **Ethernet**: Two 10Gb Ethernet ports with support for 1Gb, 2.5Gb, 5Gb, and 10Gb Ethernet using RJ-45 connectors
- **Power Connection**: Three-pin AC power cord, mixed SAA, UL, and CSA standards
- **Sound Pressure Level**: 5.9 dB (A, weighted) at operator position
- **Operating Temperature**: 11°F to 95°F (–24°C to 35°C)
- **Humidity**: 9% to 90% noncondensing
- **Operating Altitude**: 0 to 14,000 feet (0 to 4,271 meters)
- **Weight (empty)**: 19.6 pounds (8.9 kilograms)
- **Weight (with power cord)**: 20.2 pounds (9.2 kilograms)
- **Weight (with power cord and power)**: 20.2 pounds (9.2 kilograms)
- **Sound Pressure Level (in decibel)**: 5.9 dB (A, weighted) at operator position
- **Input Power**: 100-240V, 50-60Hz, single phase
- **Protection**: IEC 60950-1, UL 60950-1, ETSI EN 60950-1, GS, EN 60950-1, CE, FCC Class B, ICES-003 Class B
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