



Apple Watch Series 12 GPS + Cellular 42mm Dark Bronze Aluminium Case with Dark Bronze Milanese Loop

Brand : Apple

Product family: Watch

Product code: MKDK4MP/A

Product name : Apple Watch Series 12 GPS + Cellular 42mm Dark Bronze Aluminium Case with Dark Bronze Milanese Loop

- All-new Health Sensing System delivers the most accurate heart rate sensing in a wearable
 - Should you rest or put yourself to the test? Now a personal readiness score lets you know
 - More frequent heart rate variability, or HRV, readings help provide insights on stress and recovery
 - A new optical heart rate sensor enables high-frequency heart rate tracking every five seconds, all day long, so you'll never miss a beat
 - In the redesigned Health app, learn which habits are influencing your Health Age and how to improve them
 - Make every day more effortless with Siri AI. And seamless with Audio Intelligence, powered by the S11 chip
 - A powerful health and fitness tracker designed with built-in safety features to bring you peace of mind.
- Watch Series 12, 42mm, GPS + Cellular, Aluminium, Always-On Retina, S11, Digital Crown, watchOS

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Apple Watch Series 12

A work of heart.



Display		Features	
Display technology *	OLED	Personal info management (PIM)	SOS
Display technology marketing name	Retina	Ambient light sensor	✓
Display area	970 mm ²	Virtual assistant	Apple Siri
Display brightness	2000 cd/m ²	Haptic feedback	✓
Display brightness (min)	1 cd/m ²	Refurbished	✗
Pixel density	326 ppi	Electronic compass	✓
Minimum refresh rate	1 Hz	Skin temperature sensor	✓
Always-on display	✓	Recommended activity	Cooldown, Cycling, Dance, Elliptical, Golf, HIIT, Hiking, Kickboxing, Outdoor rowing, Paddling, Pilates, Running, Skiing, Snowboarding, Stair stepper, Swimming, Tai Chi, Walking, Wheelchair, Yoga, Rowing, Core training
Colour display	✓		
Display type *	Digital		
Display resolution *	374 x 446 pixels		
Touchscreen *	✓	Virtual pacer function	✓
Rounded display corners	✓	Running dynamics	✓
Watch glass type	Ceramic Shield 2	Workout tracking	✓
Processor		Water temperature sensor	✓
Processor manufacturer	Apple	Apple Intelligence	✓
Processor model	S11	Altimeter	✓
Processor cores	2	Network	
Neural processor unit (NPU)	Apple Neural Engine (ANE)	Mobile network connection *	✓
Neural processor unit (NPU) cores	4	Mobile network generation	5G
Design		4G standard	LTE-TDD & LTE-FDD
Shape *	Rectangular	5G standard	Sub6 TDD, Sub6 FDD, NR
Wrist size range	130 - 200 mm	GPS (satellite)	✓
Market positioning *	Smartwatch	BeiDou	✓
Watch case size *	42 mm	GLONASS	✓
Watch case colour *	Bronze		
Watch case material *	Aluminium		

Design		Network	
Band colour *	Bronze	Galileo	✓
Protection features	Dust resistant, Water resistant, Waterproof	Quasi-Zenith Satellite System (QZSS)	✓
International Protection (IP) code	IP6X	Ports & interfaces	
Removable strap	✓	Wi-Fi standards	Wi-Fi 4 (802.11n)
Magnetic charging connector	✓	Bluetooth	✓
Waterproof up to	50 m	Bluetooth Low Energy (BLE)	✓
Performance		USB port *	✗
FM radio *	✗	Near Field Communication (NFC) *	✓
Mobile operating systems supported	iOS	Wi-Fi *	✓
Operating system installed	watchOS 27	Bluetooth version *	5.3
Flash memory	64 GB	Headphone connectivity *	Bluetooth
Built-in microphone *	✓	Power	
Built-in speaker(s) *	✓	Battery type *	Built-in battery
Built-in camera *	✗	Battery life (max) *	24 h
Crash detection	✓	Battery life (power save mode)	38 h
Fall detection	✓	Wireless charging	✓
Noise monitoring	✓	Fast charging	✓
Backtrack	✓	Operational conditions	
Audio Intelligence	Live Rewind, Shazam, Sound Recognition, Siri Recap	Operating temperature (T-T)	0 - 35 °C
Built-in flashlight	✓	Storage temperature (T-T)	-20 - 45 °C
Check In function	✓	Operating relative humidity (H-H)	5 - 90%
Health Sensing System	✓	Operating altitude	0 - 3000 m
Features		Battery	
Accessibility features	Accessibility Shortcut, AssistiveTouch, Audio Volume Balance, Auto Transcription, Auto-Answer Calls, Bold Text, Button Click Speed, Color Filters, Hourly Chimes, Increase Contrast, Live Listen, Live Speech, Mono Audio, On/Off Labels, Personal Voice, RTT Support, Reduce Motion, Reduce Transparency, Taptic Time, Text Size, Touch Accommodations, Type to Siri, VoiceOver, Zoom, Sound Recognition, Voice Isolation	Battery technology *	Lithium-Ion (Li-Ion)
		Software	
		Health and Wellness apps	Readiness app; Vitals app with heart rate, respiratory rate, wrist temperature, sleep duration, and heart rate variability (HRV); Blood Oxygen app; ECG app; Heart Rate app; High and low heart rate notifications; Recovery HRV; High-frequency background heart rate tracking; Irregular rhythm notifications; Advanced Cycle Tracking app with fertile window estimates, retrospective ovulation estimates, and perimenopause and menopause support; Medications app; Mindfulness app with state of mind tracking; Noise app; Sleep app including sleep stages; Sleep score; Sleep apnea notifications; Hypertension notifications
	Heart rate monitor *		
	Heart rate sensor type		
	Blood oxygen sensor		
	Depth gauge sensor		
	Sleep apnea detection		
	Distance travelled		
	Accelerometer		
	Gyroscope		
	Activity tracker		
	Multisport mode	Weight & dimensions	
	Quality of sleep	Width	37 mm
	Double tap gesture	Depth	42 mm
	Irregular rhythm notifications	Thickness	9.7 mm
	Hypertension notifications	Weight	31.5 g
	SOS alert function	Packaging data	
		Package width	77 mm
		Package depth	240 mm
		Package height	30 mm
		Package weight	300 g



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