

Nuroom OpenEar Pro 2 Wireless Headset with Mic



Environmental Noise Cancellation



Plug & Play



Bluetooth V5.4



Dual Microphone System



Long Battery Life



OpenEar Design

The Nuroom OpenEar Pro 2 is a professional-grade wireless open ear headphone with a noise-canceling microphone, precision-engineered for seamless business communication. Featuring a dedicated USB-A/C Dongle and Bluetooth 5.4, it delivers instant plug-and-play stability superior to standard headsets. Designed for professionals who demand clarity and situational awareness, this open-ear headphone ensures all-day comfort without ear fatigue. It is the ultimate wireless headset for work, optimized for office environments, virtual meetings, and hybrid workspaces where multitasking is essential.

Product features

Environmental Noise Cancellation

Driven by a HiFi 4 DSP and trained on millions of audio hours, our elite ENC technology filters most of ambient noise. Your voice remains crystal clear in any environment.

Plug & Play

Included 2-in-1 USB-A and USB-C dongle provides a rock-solid, interference-free connection for PC, Mac, and Linux. Enjoy 30ms ultra-low latency for critical online meetings without the need for manual driver installation.

Bluetooth V5.4

Experience the next generation of wireless freedom with over 33ft range (10 meters). Multipoint technology allows you to connect to two devices simultaneously—switch effortlessly from a laptop video conference to a mobile call.

Dual Microphone System

The ECM microphone provides targeted capture of the user's voice for clear and focused audio transmission during phone calls or voice commands. Meanwhile, the MEMS microphone offers ambient sound pick-up, allowing for noise cancellation during audio playback.

Long Battery Life

Power through the most demanding schedules with 15 hours of playback or 12 hours of talk time. A 2-hour USB-C quick charge ensures you spend less time tethered to a cable.

OpenEar Design

Weighing just 31g (1.09 oz), our innovative air-conduction design and skin-friendly silicone neckband conforms to your head. Enjoy premium audio and full situational awareness.

• Environmental Noise Cancellation

• Plug & Play

• Bluetooth V5.4

• Dual Microphone System

• Long Battery Life

• OpenEar Design

NUROUM OpenEar Pro 2 Datasheet

Category	Specification	Details
Features	Waterproof level	IPX6
	Conduction Type	Air conduction
	Wearing Style	Neck-hanging; Ear-mounted (OpenEar Headphone with Mic)
	Core Processor	HiFi 4 DSP
	Plug & Play	Supported (Driver-free)
	Operating Systems	Android / iOS / Windows / Mac
Battery	Battery specification	Lithium polymer battery, 3.7V/180mAh
	Charging Specifications	5V-500mA
	Charging Time	2H (5VDC \geq 500mA)
	Work time	Talk time: 12h / Music time: 15h (50% volume)
Bluetooth	Specification	V5.4
	Protocol	HFP, A2DP, AVRCP
	Frequency Range	2400-2480MHz
	Scope of use	~65ft / 20m (open space)
Audio Performance	AI noise reduction	Support
	Echo cancellation	Support
	Noise reduction	Dual microphone ENC noise reduction
Microphone	Microphone type	ECM directional microphone
	Microphone Number	2-Microphone Array
	Sensitivity	-38dBV/Pa 94dB SPL@1kHz
	SNR	60dBV/Pa 94dB SPL@1kHz, A-weighted
	Frequency response	100Hz-10kHz
Speaker	Rated output power	16 Ω /40mW
	Effective frequency range	20Hz-20kHz
	Sensitivity	129 \pm 3dB@1mW, 10MM@100Hz
	THD	\leq 3%@1000Hz, 1mW
	Rated Output Power	16 Ω / 40mW
Dimensions	Product Dimensions	124 * 110 * 45mm
	Package Size	108 * 58 * 155mm
	Horizontal Width	145mm – 170mm
	Vertical Height	100mm – 140mm
	Headset Net Weight	31g
	Gross Weight	195g
Others	Color	Black
	Operating temperature	-10~55°C

NUROUM OpenEar Pro 2 Datasheet

Category	Specification	Details
Others	Package list	OpenEar Pro 2 Headset*1 USB-C Charger Cable*1 USB A/C Dongle*1 Quick Start Guide*1 User Manual*1 Warranty Card*1

*All tech specs are subject to change without notice.

Official website: nuroum.com