

16: Specifications

Model	Omnia
General Description	Integrated Amplifier
Design Philosophy and Core Technology	<ul style="list-style-type: none"> - 2x50W (8ohm) / 2x75W (4ohm) Class AB - ES9038Q2M 32-bit DAC - 4.3" (800x480mm) large size full view IPS LCD - Built-in certified hardware MQA Full decoder (PC USB, Coax, Optical) - CD playback compatible with CD, CD-R, CD-RW discs - USB memory device support (MP3/WMA/AAC/WAV) - DTS Play-Fi technology (IEEE 802.11 a/b/g/n/ac) - Streaming service support includes Amazon Music, Spotify, TIDAL, KKBox, SiriusXM, Napster, Internet Radio, Deezer, iHeartRadio, PANDORA, Qobuz, QQmusic and more - Multi-room / multi speaker group support - Bluetooth 5.0 (aptX/aptX LL) streaming - Low noise moving magnet phono stage - Dedicated current-feedback headphone amplifier - Integrated / PRE-POWER / PRE only modes - Android / iOS / Kindle Fire / Windows PC control support - USB firmware upgrade input
Inputs	3 x Analogue, 1 x Phono (MM), 1 x Power Amplifier, 2 x SPDIF (Coax), 2 x SPDIF (Optical), 1 x DTS Play-Fi Streaming, 1 x PC USB (USB B), 1 x USB HDD (USB A), 1 x Bluetooth (aptX/aptX LL), 1 x 12V Trigger
Outputs	1 x PRE Amplifier, 1 x Stereo Speaker, 1 x Headphone, 1 x 12V Trigger
Sampling Frequency	Optical / Coaxial: 44.1kHz ---192kHz PC USB: 44.1kHz - 768kHz (PCM) / DSD64, DSD128, DSD256, DSD512
Preamplifier Section	
Gain	+8dB (Line) +47dB (Phono MM)
Input Sensitivity	720mV (Line, Volume = 0dB) 3.1mV (Phone MM, Volume = 0dB)
Input Impedance	10K (Line) 47K // 100pF (Phono MM)

Total Harmonic Distortion (THD)	< 0.0004% (1kHz @ 2V, Volume = 0dB)
Frequency Response	20Hz-20kHz (+/-0.1dB)
Output Voltage	2.3V max. (Volume = 0dB)
Output Impedance	100ohm
Signal-to-Noise Ratio	> 110dB (Line, A-weighted) > 76dB (Phono MM, A-weighted)

DAC

D to A Converter	ES9038Q2M
Total Harmonic Distortion (THD)	< 0.0006% (1kHz @ 0dBFS)
Output Level (0dBFS, 1kHz)	2.1Vrms
Max. Sampling Frequency	Optical, Coaxial: 192kHz Ethernet, Wi-Fi: 192kHz USB A: 48kHz PC USB: PCM768kHz, DSD512
Signal-to-noise Ratio (S/N)	> 114dB (A-weighted)

Power Amplifier Section

Gain	+29dB
Rated Power Output	2 x 50W (8ohm, THD < 1%) 2 x 75W (4ohm, THD < 1%)
Frequency Response	20Hz-20kHz (+/-0.3dB)
Total Harmonic Distortion (THD)	< 0.003% (1kHz @ 40W / 8ohm)
Input Sensitivity	720mV
Signal-to-Noise Ratio (S/N)	> 110dB (A-weighted)
Max. Output Current	9A

16: Specifications

Headphone Amplifier

Total Harmonic Distortion (THD)	< 0.01% (1kHz, 50mW)
Output Impedance	10ohm
Load Impedance	20-600ohm

General

Standby Power Consumption	< 0.5W
Net Weight	9.1kg
Gross Weight	11kg
Dimensions (mm) (W x H x D)	440 x156 x 327
Carton Size (mm) (W x H x D)	540 x 412 x 210
Finish	Black / Silver
Power Requirements (depending on region)	220-240V ~ 50/ 60Hz 100-120V ~ 50/ 60Hz
Standard Accessories	Power Cord, Remote Control, User Manual, Antennas, etc.