Technical specifications

D/A CONVERTERS
ESS ES9028Q2M

THD @ 1kHz 0dBFs
< 0.0005 %

THD @ 20kHz 0dBFs
< 0.0005 %

FREQUENCY RESPONSE
20Hz-20kHz +/- 0.1dB *

SIGNAL TO NOISE RATIO (REF 1W)
> 120dBr

CROSSTALK @ 1kHz
< -120dB

DIGITAL OUTPUTS

S/PDIF Coaxial: 16/24-bit, 32-192kHz

TOSLINK Optical: 16/24-bit, 32-96kHz

AUDIO FORMATS
WAV containing uncompressed, PCM 16-32 bit 32-768kHz, FLAC containing losslessly compressed, PCM 16-32 bit 32-768kHz, Apple Lossless (ALAC) containing losslessly compressed PCM 16-24 bit 32-192kHz, AIFF containing uncompressed, PCM 16-32 bit 32-768kHz, Microsoft® Windows Media TM Audio (WMA 9 Standard) 32-320kbps, MP3 (CBR or VBR) 16-320kbps, AAC, HE AAC and AAC+, (CBR or VBR) 16-320kbps, OGG Vorbis 32-320kbps. Native DSD64 to DSD512 support.

STREAMING PROTOCOLS
RTSP (Real Time Streaming Protocol), MMS (Microsoft Media Server Protocol), HTTP (Hyper Text Transfer Protocol).

CONNECTIVITY
UPnP, Local USB media, Airplay 2, Chromecast built-in, Internet Radio, Spotify Connect, TIDAL, Qobuz, Deezer, Roon Ready.

PLAYLIST
ASX (Microsoft® playlist format) M3U, PLS

WI-FI
IEEE 802.11 b/g/n or AC (2.4GHz and 5GHz)

WI-FI ENCRYPTION
WEP, WPA, WPA2

ETHERNET
IEEE 802.3, 10 Base-T or 100 Base-T

USB
1 x USB 2.0 current limited to 1A

FILE SYSTEMS
FAT32, NTFS, Ext4, ExFAT

MAINS INLET VOLTAGE
100-240 VAC (switch mode)

STANDBY CONSUMPTION

ECO Mode: <0.5W

Network Standby Mode: >2W

MAX POWER CONSUMPTION
30W

DIMENSIONS
80 x 430 x 325mm (3.1 x 16.9 x 12.8")

WEIGHT
3.55kg (7.8lbs)