

Europe models

■ Amplifier Section

THD+N (Total Harmonic Distortion + Noise)

- 0.008% (20 Hz - 20,000 Hz, Rated output power)

Input Sensitivity and Impedance

- 200 mV/32 k Ω (LINE(RCA))
- 4 mV, 47 k Ω /0.4 mV, 110 Ω (PHONO MM/MC)

Rated RCA Output Level and Impedance

- 1 V/220 Ω (L/R PRE OUT)
- 1 V/470 Ω (SUBWOOFER PRE OUT)

Rated XLR Output Level and Impedance

- 2 V/220 Ω (L/R PRE OUT)

Phono Maximum Input Signal Voltage

- 70 mV (MM 1 kHz 0.5%)
- 7 mV (MC 1 kHz 0.5%)

Frequency Response

- 10 Hz - 100 kHz/+1 dB, -3 dB (Direct)

Tone Control Characteristics

- ± 10 dB, 20 Hz (Bass), ± 10 dB, 20 kHz (Treble)

Headphone Rated Output

- 80 mW + 80 mW (32 Ω , 1 kHz, 10% THD)

Supported impedance of Headphones

- 8 Ω - 600 Ω

Headphones Frequency Response

- 10 Hz - 100 kHz

Input terminals

Analog

- 4 (Including PHONO $\times 1$)

Digital

- 2 (COAXIAL $\times 1$, OPTICAL $\times 1$)

*Supported sampling rates for PCM signals (stereo, mono) from a digital input are 32 kHz, 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/16 bit, 20 bit, and 24 bit.

Output terminal

Analog

- 3 (PRE OUT (RCA) $\times 1$,
PRE OUT (SUBWOOFER 1/2) $\times 1$,
PRE OUT (XLR) $\times 1$,)
- PHONES jack

Digital

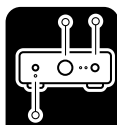
- 1 (OPTICAL $\times 1$)
- *Audio of "NET", "USB", and "Bluetooth" can be output from the digital optical output terminal. Note that DSD is not supported.
- 1 (HDMI (ARC))

Other terminals

- Speaker terminal
- 12V TRIGGER OUT
- GND terminal

■ General

- Power Supply
AC 220-240 V, 50/60 Hz
- Power Consumption
35 W
- Network Standby (wired)
1.8 W
- Network Standby (wireless)
1.7 W
- Bluetooth Wakeup
1.8 W
- HDMI CEC Standby
0.2 W
- Standby mode (ALL ON)
1.9 W
- Dimensions (W $\times$ H $\times$ D)
435 mm $\times$ 135 mm $\times$ 355 mm
17-1/8" $\times$ 5-5/16" $\times$ 14"
- Weight
9.5 kg (20.9 lbs.)



Asia and Oceania models

■ Amplifier Section

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- PHONES jack

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WLAN Module

Model: AW-CM276NF

Brand: AzureWave

NCC ID: CCAI17LP040AT4

Operation Frequency:

WLAN

2412-2462

5180-5240

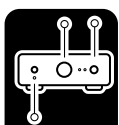
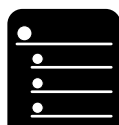
5260-5320

5500-5700

5745-5825

BT

2402-2480



Common to all destinations

■ Network Section

Ethernet LAN

- 1 (10BASE-T/100BASE-TX)

Wireless LAN

- IEEE 802.11 a/b/g/n/ac standard (Wi-Fi® standard) 5 GHz/2.4 GHz band

■ BLUETOOTH Section

Communication system

- BLUETOOTH Specification version 5.1

Frequency band

- 2.4GHz (2.402-2.480GHz)

Modulation method

- FHSS (Frequency Hopping Spread Spectrum)

Compatible BLUETOOTH profiles

- A2DP 1.4, AVCTP 1.4, AVDTP 1.3, AVRCP 1.6.2

Supported Codecs

- Receiving: SBC, AAC
- Transmitting: SBC, aptX, aptX HD

Transmission range (A2DP)

- 20 Hz - 20 kHz (Sampling frequency 44.1kHz)

Maximum communication range

- Line of sight approx. 15 m(*)
- (*)The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, cordless phone, reception sensitivity, antenna's performance, operating system, software application, etc.

Maximum radio-frequency power transmitted in the frequency band(s)

- 2400 MHz - 2483.5 MHz (20 dBm (e.i.r.p))
- 5150 MHz - 5350 MHz (23 dBm (e.i.r.p))
- 5470 MHz - 5725 MHz (23 dBm (e.i.r.p))

■ Music Server (→p34)

Supported Audio Formats

MP3 (.mp3)

- MPEG-1/MPEG-2 Audio Layer-3/44.1 kHz, 48 kHz/ Between 8 and 320 kbps, and VBR/2 ch

WMA (.wma)

- 44.1 kHz, 48 kHz/Between 5 and 320 kbps, and VBR/2 ch

WAV (.wav)

WAV files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit/2 ch

AIFF (.aiff/.aif)

AIFF files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit/2 ch

AAC (.aac/.m4a/.mp4/.3gp/.3g2)

- MPEG-2/MPEG-4 Audio/44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz/Between 8 and 320 kbps, and VBR/2 ch

FLAC (.flac)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit/2 ch

LPCM (Linear PCM)

- 44.1 kHz, 48 kHz/16 bit/2 ch

Apple Lossless (.m4a/.mp4)

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/16 bit, 24 bit/2 ch

DSD (.dsf/.dff)

- DSF/DSDIFF/2.8 MHz, 5.6 MHz, 11.2 MHz/2 ch

■ USB Storage Device (→p27)

Supported Audio Formats

MP3 (.mp3)

- MPEG-1/MPEG-2 Audio Layer-3/44.1 kHz, 48 kHz/ Between 8 and 320 kbps, and VBR/2 ch

WMA (.wma)

- 44.1 kHz, 48 kHz/Between 5 and 320 kbps, and VBR/2 ch

WAV (.wav)

WAV files contain uncompressed PCM digital audio.

- 44.1 kHz, 48 kHz, 88.2 kHz, 96 kHz, 176.4 kHz, 192 kHz/8 bit, 16 bit, 24 bit/2 ch

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