



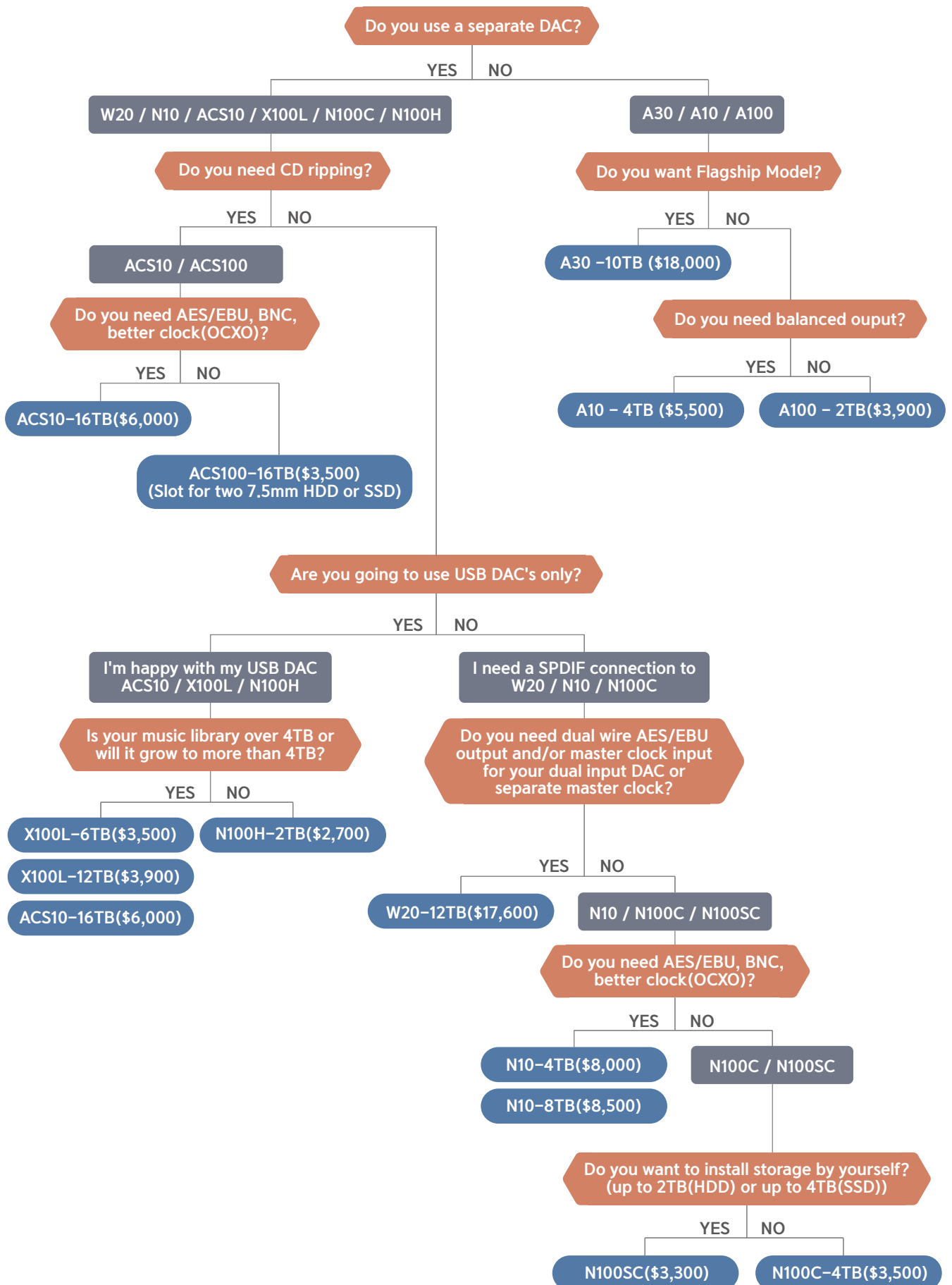
# Aurender 2020

Music Server + App  
Indivisible With Boundless Access  
And The Highest Fidelity For All

 MQA  TIDAL  qobuz  Spotify

 aurender

# AURENDER SELECTION GUIDE



# Digital Output Music Server/Streamer Full Range Comparison Table

W20SE

N10



SPDIF Digital Audio Outputs	1 x RCA Coax / 1 x BNC (75Ω) / 1 x TOSLINK up to 24-bit / 192 kHz AES/EBU x 2 (Dual-Wire)	1 x RCA Coax / 1 x BNC (75Ω) / 1 x TOSLINK up to 24-bit / 192 kHz AES/EBU x 1
Precision DSD to PCM conversion on SPDIF Outputs	Up to DSD512 to 88.2/176.4kHz (Single Wire), Up to DSD512 to 352.8kHz (Dual Wire)	Up to DSD128
Main Clock Accuracy	OCXO Based Precision Jitter Reducing Clock Generator	OCXO Based Precision Jitter Reducing Clock Generator
Dedicated Audio USB Port	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0
USB Audio Output	PCM: Up to 768kHz DSD : DoP – Up to DSD256 Native – Up to DSD512	PCM: Up to 24bit / 192kHz DSD: DoP Up to 128
Display	3.7 inch x 2, Dual AMOLED	3.3 inch x 2, Dual AMOLED
CPU	AMD Dual Core	AMD Dual Core
SSD for System and Cache	1TB 2.5"	240GB 2.5"
Main Memory	4GB	4GB
Music Library Storage	SSD 4TB	HDD 4TB 2.5" x 1 or 8TB 2.5" x 2
Power Supply	Full-Linear / LiFePO4 Battery	Full-Linear
Data USB	2 x USB 2.0 (Rear)	2 x USB 2.0 (Rear)
Ethernet	1 x Double-Isolated Gigabit Ethernet	Gigabit Ethernet
Dimensions(WHD) and Weight	16.9 x 4.17 x 14.6 in / 46.5 lbs	16.9 x 3.3 x 14.0 in / 27 lbs
3 Port Gigabit LAN Hub	X	X
Content Server for other Aurender	X	X
Internal UPS for safe shutdown	LiFePO4 Battery Based	X
CD-Ripping	X	X
Software Suite	Aurender Conductor	Aurender Conductor

## ACS10

## ACS100

## N100H/C/SC



X	X	1 Coax (N100C/N100SC)
X	X	X
Normal Crystal	Normal Crystal	Normal Crystal
1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0
PCM: up to 768kHz / 32-bit USB DSD: DoP (up to 256) Native DSD up to 512	PCM: up to 384kHz / 32-bit USB DSD: DoP (up to 256) Native DSD up to 512	PCM: Up to 24bit / 192kHz DSD : DoP up to 128
4.0" IPS LCD	4.0" IPS LCD	3.0" AMOLED
Intel N4200 Quad Core	Intel N4200 Quad Core	AMD Dual Core
240GB NVMe	240GB NVMe	120GB (N100H & N100C) 240GB (N100SC)
8GB	8GB	4GB
HDD 8TB x 2, 3.5" or 12TB x 2, 3.5" Factory Configured as RAID1 (Mirroring)	Tray for Easy User Installation - 2 x 2.5" SATA HDD (7mm, Up to 2 x 2TB) or 2 x 2.5" SSD (up to 2 x 4TB)	2TB (N100H) / 4TB (N100C) Storage optional (N100SC)
Full-Linear	External Power Supply DC19V / 3.42A	Full-Linear
1 x USB 3.0 (Rear) 1 x USB 2.0 (Front)	USB 3.0 x 2 (1 x front, 1 x rear panel) USB 2.0 x 1 (rear)	2 x USB 2.0 (Rear)
3 x Gigabit Ethernet (1 doubly isolated)	LAN Port (1 Gbps)	Gigabit Ethernet
16.9 x 3.8 x 14.0 in / 27 lbs	8.5 x 4.4 x 10.1 in., 11lbs (user Installed 2 x SSD)	8.5 x 2.2 x 13.9 in / 10.2 lbs
1 x Double-Isolated Gigabit Ethernet	X	X
Can serve as a central storage library and convenient music management device	Can serve as a central storage library and convenient music management device	X
Super Capacitor Based	Super Capacitor Based	X
TEAC Tray-Load CD-ROM Drive. Automated ripping support for Arconova Nimbie Autoloader via USB 3.0 port (optional)	TEAC Slot in CD-ROM Drive. Automated ripping support for Arconova Nimbie Autoloader via USB 3.0 port (optional)	X
Aurender Conductor ACS Manager	Aurender Conductor ACS Manager	Aurender Conductor

# Analog Output Music Server/Streamer

## Full Range Comparison Table

A30



SPDIF Digital Audio Inputs	1 x RCA SPDIF / 1 x BNC SPDIF / 2 x TOSLINK up to 24-bit / 192 kHz
Analog Audio Outputs	Unbalanced (RCA): 2.0 or 2.7 Vrms / Balanced (XLR): 4.0 or 5.4 Vrms selectable
USB Audio Output	PCM: Up to 32bit / 768kHz DSD: DoP Up to 128 , Native DSD Up to 256
Main Clock Accuracy	OCXO Based Precision Jitter Reducing Clock Generator
Headphone Outputs	1 x 4pin XLR Balanced / 1 x 4.4mm Balanced / 1 x 1/4" Unbalanced
CD Ripping	TEAC Slot-Load CD-ROM Drive. Automated ripping support for Arconova Nimble Autoloader via USB 3.0 port (optional)
Volume Control	-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control
DAC Chipset	AKM AK4497 Dual-Mono Design with Dual-Mono Linear Power Supplies
Internal UPS for safe shutdown	Super Capacitor Based (uninterrupted power supply)
Display	8.8" 1920 x 480 WIDE IPS COLOR LCD
CPU	Intel N4200 Quad Core
SSD for System and Cache	480GB NVMe
Main Memory	8GB
HDD for Music Library Storage	10TB, 3.5" X 1
Power Supply	Full-Linear
Number of Power Transformers	5 (CPU-1, DAC-2, FPGA/CLK-1, Headphone-1)
Dedicated Audio USB Port	1 x USB AUDIO Class 2.0
Data USB	2 x USB 3.0 (Rear)
Ethernet	1 x Double-Isolated Gigabit Ethernet
Dimensions (WHD) and Weight	16.9 x 5.6 x 14.0 in / 37.5 lbs
Software Suite	Aurender Conductor & A30 Manager
IR Remote Control	Yes – Aluminum

## A10



## A100



1 x TOSLINK	1 x TOSLINK
Unbalanced (RCA): 2.0 Vrms / Balanced (XLR): 4.0 Vrms	Unbalanced (RCA): 2.0 Vrms
PCM: up to 32-bit / 384 kHz DSD: DoP DSD64, DSD128	PCM: up to 32-bit / 384 kHz DSD: DSD64, DoP DSD128
TCXO Based Precision Jitter Reducing Clock Generator	TCXO Based Precision Jitter Reducing Clock Generator
X	X
X	X
-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control	-90 dB – 0dB, 0.5 dB steps, Velocity Sensitive Operation variable output control
AKM AK4490 Dual-Mono Design with Dual-Mono Linear Power Supplies	AKM AK4490 x 1 (Single Stereo Design)
X	X
3.0" AMOLED	3.0" AMOLED
AMD Dual Core	AMD Dual Core
120GB 2.5"	120GB 2.5"
4GB	4GB
4TB, 2.5" X 1	2TB, 2.5" X 1
Full-Linear	Full-Linear
4 (CPU-1, DAC-2, FPGA/CLK -1)	3 (CPU-1, DAC-1, FPGA/CLK -1)
1 x USB AUDIO Class 2.0	1 x USB AUDIO Class 2.0
2 x USB 2.0 (Rear)	2 x USB 2.0 (Rear)
Gigabit Ethernet	Gigabit Ethernet
16.9 x 2.2 x 13.9 in / 22.5 lbs	13.0 x 2.2 x 13.9 in / 17.2 lbs
Aurender Conductor	Aurender Conductor
Yes – Aluminum	Yes – Plastic