



Digital-to-Analog Converters at a Glance

	ACE	260D *	280D	340i * 350P *	380D	650D	750D	780D
Outboard Power Supply	No	No	No	No	No	Optional 820S	Optional 820S	Optional 820S
S/PDIF Input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AES/EBU Input	No	No	Yes	No	Yes	Yes	Yes	Yes
Optical (Toslink) Input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
USB Input **	Yes	24-bit/192kHz	Yes	Yes	Yes	24-bit/192kHz	24-bit/192kHz	Yes
Bluetooth Input	Yes	No	Yes	No	No	No	No	Yes
DSD Decoding (via USB)	Yes	No	Yes	Yes	Yes	No	No	Yes
Single-ended out (RCA)	n/a	Yes	Yes	n/a	2 pairs #	1 pair	1 pair	Yes
Balanced out (XLR)	n/a	Yes	Yes	n/a	2 pairs #	Yes	Yes	Yes
Digital Output - S/PDIF	n/a	Yes	No	n/a	Yes	Yes	Yes	No
Digital Output -AES/EBU	n/a	Yes	No	n/a	No	Yes	Yes	No
RS-232 Port	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Infra-Red (IR) Input	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SimLink	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
MiND Streaming Module	Yes	No	Optional	No	Yes	No	No	Yes
DSD Streaming via MiND	Yes	No	Yes	No	Yes	No	No	Yes
S/N Ratio @ full output	> 115dB	> 120dB	> 118dB	> 115dB	> 120dB	> 120dB	> 120dB	> 124dB
THD @ 1kHz, 0dBFS	< 0.001 %	< 0.001 %	< 0.001 %	< 0.001 %	< 0.001 %	<0.001 %	<0.0003 %	<0.0001 %
Remote Control	CRM-3	CRM-3	CRM-3	CRM-3	CRM-3	FRM-3	FRM-3	FRM-3
Weight (lbs.)	24	16	16	28 / 16.5	16	35	35	35
Dimensions (w" x h" x d")	16.9x3.4x13.1	16.9x3.4x13.1	16.9x3.4x13.1	16.9x3.4x13.1	16.9x3.4x13.1	18.8x4.1x16.8	18.8x4.1x16.8	18.8x4.1x16.8

* Optional DAC board

** USB input is PCM 32-bit/384Hz capable unless otherwise noted

1 pair is optional variable analog outputs



Digital-to-Analog Converters at a Glance

	230HA	430HA *
Outboard Power Supply	No	No
S/PDIF Input	Yes	Yes
AES/EBU Input	No	No
Optical (Toslink) Input	Yes	Yes
USB Input **	Yes	Yes
BlueTooth Input	No	No
DSD Decoding (via USB)	Yes	Yes
Single-ended out (RCA)	Yes	Yes
Balanced out (XLR)	No	No
Digital Output - S/PDIF	No	No
Digital Output -AES/EBU	No	No
RS-232 Port	No	Yes
Infra-Red (IR) Input	No	Yes
SimLink	No	Yes
MiND Streaming Module	No	No
DSD Streaming via MiND	No	No
S/N Ratio @ full output	> 114dB	> 116dB
THD @ 1kHz, 0dBFS	< 0.001 %	< 0.001 %
Remote Control	CRM-2	CRM-3
Weight (lbs.)	6.2	17
Dimensions (w" x h" x d")	7.0x3.0x11.0	16.9x3.4x13.8

* Optional DAC board

** USB input is PCM 32-bit/384Hz capable unless otherwise noted