

# Network DSP audio processor



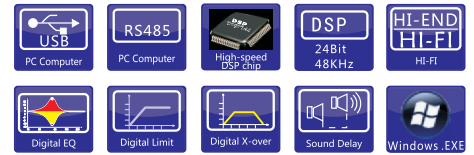
# DS458/356/254

Network DSP audio processor



### Characteristic :

- Build-in Digisyn-Link network audio model. Support AES 67 standard with 4 inputs and 4 outputs(AES67 model is optional)
- Output channels FIR is optional.
- High-performance AD/DA DAC chip and high-speed processing DSP chip.
- Delay: 1S for each input and 1S for each output.
- Input 7-band PEQ and Output 7-band PEQ.
- Accessibility design (Digital lock, Copy, Routing, etc.)
- Support USB/RS485 communication, could be applied to different environments



### Technical Specifications

Model	DS458	DS356	DS254
Input/output	4in8out	3in6out	2in4out
Input impedance	10kΩ		
Output impedance	50Ω		
Max.input/output level	19dBu		
Input/output gain	-40~+12dB, 0.1dB step		
Input delay	0ms~1s, step 21us		
Output delay	0ms~1s, step 21us		
Input PEQ	Each channel has a 7-band parametric equalizer		
Output PEQ	Each channel has a 7-band parametric equalizer		
EQ Gain	-30~+15dB, 0.1dB step		
EQ Type	PEQ、Low shelf、High shelf		
EQ Frequency	19.7~21.9KHz		
EQ Bandwidth	PEQ 0.017~4.750 Oct		
Crossover frequency	19.7~21.9KHz		
Crossover slope	FLAT THRU,12dB,24dB,36dB , 48dB		
Crossover classification	Butterworth、Bessel、Linkwitz-Riley		
Compressor threshold	-20dB~+20dB,step 0.5dBu		
Compressor ratio	1.2,1.5,2,3,4,6,10,20,40,128:1		
Attack time	1~100ms, step 1ms		
Release time	50~1000ms, step 50ms		
Dynamic range	112dB A Weighting		
CMMR	> 40dB		
Crosstalk	<-100dB		
Distortion	0.002%(1kHz,0dBu)		
System preset	10 appearances preset programs, 30 user programs		
Voltage	AC 90V~ 250V, 50Hz~60Hz		
Weight	2.81kg/2.8kg		
Size	482mm×164mm×45mm		

