



产品特性 Features

► TP-428是一款功能强大的处理器。有4个模拟输入,2个数字AES/EBU输入,8个模拟输出(12dBu)。采用64bit的浮点DSP处理器作为中心处理,大大提升信号处理的动态范围,118dB动态范围(输入)/114dB动态范围(输出)。每路输入和输出均有10段PEQ频率范围高达26kHz,EQ可被设为Bell, High Shelf, Low Shelf, Notch, Allpass, Band Pass, High Pass, Low Pass。最大的输入电平+23dBu,因此匹配当前市场上所有的输入源。频率设置可达1Hz精度,延迟可达15微秒精度,增益可达0.01dB精度。

► 通过前面板或远程控制应用程序控制,可以通过连接 PC,MAC,和iPad来进行操作DSP设置和系数在改变参数时实时计算。该软件可以同时控制多个设备。在一个典型(默认)DHCP 配置中,同时控制的机器数量可高达200台。

► The TP-428 processor unit is a powerful processor with 4 analog inputs, 1 (2-channel) AES/EBU input, 8 outputs, 10 PEQ bands per input and output and a frequency range up to 30kHz. It supports 5 languages, and offers real-time monitoring via the USB and Ethernet interface. The rugged analog input stage accepts input voltages of up to 10V RMS (+22dBu) thus matching any source on the market today, with an excellent dynamic range of 118dB. Using a toroidal transformer for clean power supply rails, 64-bit digital processing and some of the best converters available on the market today, the processor offers sound quality which can compete with whatever your reference unit of choice is.

► Through front panel or remote control, DSP Settings and coefficients can be manipulated in real time by connecting to PC, MAC, and iPad. The software can control multiple devices at the same time. In a typical (default) DHCP configuration, up to 200 machines can be controlled simultaneously.

参数规格 Specifications

输入	4路模拟平衡输入, 2路AES/EBU数字输入	滤波	Bell, High Shelf, Low Shelf, Notch, Allpass,
输出	8路模拟平衡输出		Band Pass, High Pass, Low Pass
最大输入电平	+23dBu	延时	每路输入延迟2000ms, 每路输出延迟2000ms
最大输出电平	+12dBu	分频	Butterworth, Bessel, Linkwitz-Riley, 12.18.24dB/octave
频率响应	20Hz ~ 26kHz	控制接口	USB和以太网(RJ45), 通过连接PC, MAC进行设置和实时监控
动态范围	118dB动态范围(输入)/114dB动态范围(输出)	操作系统	支持Windows / Mac / Ipad / Iphone
采样率	96kHz	场景	100组预设数据
A/D、D/A转换	64dit	尺寸(H×W×D)	44×482×170mm
均衡	每路输入和输出均有10段PEQ	电源	100-240V AC, 50/60Hz

Input	4 channel analog balanced input, 2 channel AES/EBU digital input.	Filter	Bell, High Shelf, Low Shelf, Notch, Allpass,
Output	8 channel analog balanced output		Band Pass, High Pass, Low Pass
Maximum input level	+23dBu	Delay	2s delay per input, 2s delay per output
Maximum output level	+12dBu	Crossover	Butterworth, Bessel, Linkwitz-Riley, 12.18.24dB/octave
Frequency range	20Hz ~ 26kHz	Controller	Full configuration and real-time monitoring via PC
Dynamic range	118dB dynamic range (inputs)/ 114dB dynamic range (outputs)	Control interface	USB and Ethernet interface
Sampling rate	96kHz	Operating system	support Windows / Mac / Ipad / Iphone
A/D、D/A converter	64dit	Presets	100 Presets
Balance	10 parametric filters per input and output	Dimension(H×W×D)	44x482x170mm
		Power	100-240V AC, 50/60Hz

