

KONTROL 1616

16 X 16 DSP Audio Matrix with
DANTE and USB audio



FEATURES

- **Powerful ADI Sharc 450MHz + 2xADI Sigma 300MHz**
- **16 channels analogue input / 16 channels analogue output**
- **4 X 4 DANTE network audio**
- **2 X 2 USB audio for easy integration with MS Teams, ZOOM or skype**
- **Auto Echo Cancellation (AEC) and Auto Noise suppression (ANS)**
- **Automatic Mixing (AMC)**
- **Automatic Gain Control (AGC)**
- **Full fledged matrix functionality**
- **Camera control for most of the camera protocols**
- **31 PEQ on all inputs and 10 PEQ on all outputs**
- **Wall control panel integration via RS485**

The Alpha Acoustics® KONTROL 1616 is a full fledged matrix DSP with enormous capabilities. The processor has built in echo cancellation and noise suppression, gain control and automatic mixing capabilities. The Powerful ADI Sharc 450MHz + 2xADI Sigma 300MHz processor operates with a maximum operating frequency of 450 MHz, making it a very powerful DSP. The software enables quick selection and control of functions and also can be controlled from a tablet. The optional KONTROL KNOB can be used to access and control DSP parameters remotely.

KONTROL 1616 SPECIFICATIONS

Processor	ADI Sharc 450MHz + 2xADI Sigma 300MHz
Number of I/O	16 In / 16 out (analogue) , 4 in / 4 out (DANTE) 2 in / 2 out (USB)
Sample Rate	48 kHz / 24 bit
System delay	< 1ms
Max Input level	13dBu/Line, -7dBu/Mic
Phantom power	+48VDC, 6.5mA, for each channel
Output impedance	150Ω
Frequency response	20Hz-20kHz(+/-0.5dB)/Line
THD + Noise	-90dB(@12dBu,1kHz,A-wt)/Line
SNR	105dB(@12dBu,1kHz,A-wt)/Line
Ports	USB Type A-B, RS 232, RJ45 (TCP/IP)
Power supply	100 - 240 V AC , 50 Hz / 60 Hz
Dimensions	483mm x 265mm x 44mm
Operating temperature	-20°C~80°C
Net weight	3.8 Kg

APPLICATIONS

Conference rooms / Shopping malls / Office buildings

**Specifications subject to change without notice. 01/2023*

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