

DP1605

16 Channels Conference Audio Processor



Description

DP1605 is a 16 in 16 out automatic mixing media matrix, with 16 analog inputs and 16 analog outputs, which can realize a variety of DSP functions, including AFC, auto mixing, matrix mixing, limiter, compressor. It is controlled by USB drive-free computer software, RS232, RS485, TCP/IP connection central control remote control, suitable for amplification projects in various occasions.

Features

- 16 analog input and 16 analog output channels, support line level and mic level free switch.
- Each input supports 48V phantom supply.
- Each input supports AFC on/off, two level adjustment.
- Support auto mixing and matrix mixing of all channels.
- The input 31 PEQ segments are adjustable and the output 10 PEQ segments are adjustable.
- TCPIP,USB free driver automatic connection software, support RS232, RS485 central control

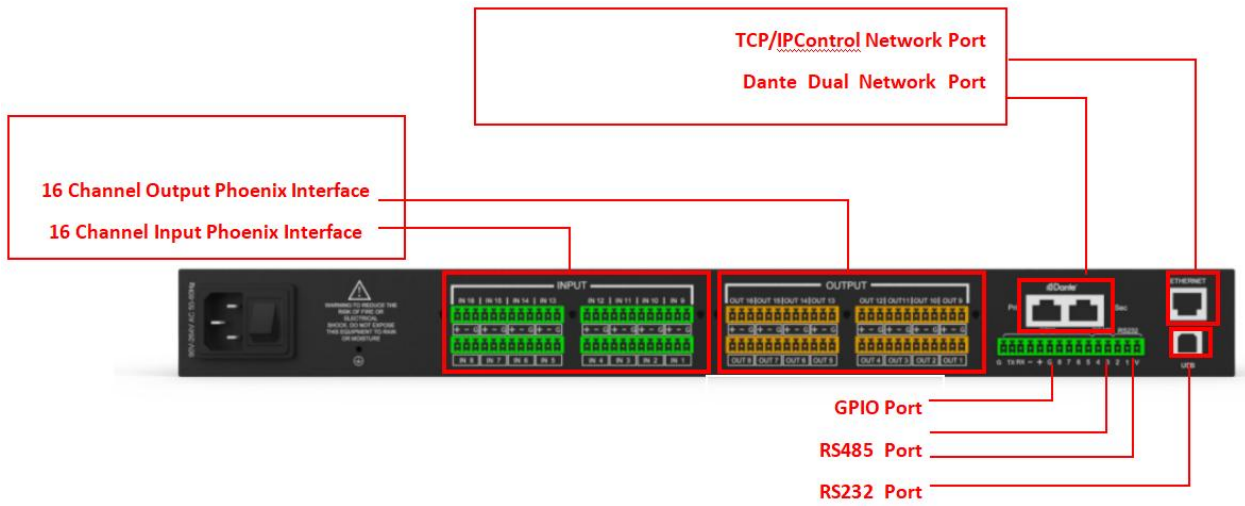
Specifications

| Model | DP1605 |
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| DSP MODULE | |
| Signal processing | 32-bit fixed/floating-point DSP 300MHz |
| Audio system latency | < 1ms |
| D/A conversion | 24-bit |
| Sampling Rate | 48kHz |
| ANALOG AUDIO INPUTS AND OUTPUTS | |
| Input channel | 16 balanced inputs. Mic/Line level |
| Audio interface | 3.81mm Phoenix interface, 12-pin |
| Input resistance | 5.7kΩ |
| Maximum input level | 13 dBu/Line, -7dBu/Mic, 20dB gain |
| Phantom supply | +48V DC, 6.5mA per channel |
| Output channel | 16 balanced outputs, Line level |

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|---|--|
| Output impedance | 150Ω |
| AUDIO PERFORMANCE SPECIFICATIONS | |
| Frequency response curve | 20Hz ~ 20kHz(±1.5dB)/Mic, 20dB gain |
| | 20Hz ~ 20kHz(±0.5dB)/Line |
| THD+N | -86dB(@-7dBu, 1kHz,A-wt)/Mic, 20dB gain -90dB(@12dBu, 1kHz,A-wt)/Line |
| SNR | 105dB(@12dBu,1kHz,A-wt)/Line 95dB(@-7dBu,1kHz,A-wt)/Mic, 20dB gain |
| COMMUNICATION PORTS AND INDICATORS | |
| USB | Micro-B type, free driver |
| RS232 | Serial port communication |
| TCP/IP network port | RJ-45 |
| Indicator light | Power, Link, +48V, Input and Output Signal |
| ELECTRICAL AND PHYSICAL | |
| Power supply range | AC100V ~ 240V 50/60 Hz |
| Product dimension | 483mm×265mm×44.5mm |
| Net Weight | 3.5kg |
| Gross Weight | 4.2kg |
| Package Weight/QTY | 22.3kg/5pcs |
| Operating temperature | -20℃ ~ 80℃ |

Front / Rear Panel





Dimension

