Dante Plus Series

SOLON M440/Dante Plus、 SOLON M880 /Dante Plus
SOLON M1208/Dante Plus、 SOLON M1616 /Dante Plus

Specifications of Dante >>>

- Sampling Rate ：48KHz
- Processing Format ：24bit
- Audio Format ：TDM
- Channels: 16IN*16OUT
- Transmission Network ：100M/1000M
- Transmission Cable ：Standard CAT5, within100m Transmission Distance
- Delay :34uS
- Interface ：2xRJ-45 interface to support Dante

Detailed Specs >>>

Model	SOLON M Series/Dante Plus	
Frame	8×8 Matrix/ Dual DSP	
Sampling rate	48KHZ	
Control Port	8×GPIO input	
	8×GPIO output	
	Ethenet 100Base-TX	
	RS-232	
	RS-485	
Size/Weight	483×44×258mm/2.9kg	
Technical Indicators	Samplin grate	48KHz/24bit
	A/D dynamic range	≧113dB
	Phantom power	DC 48V
	Input CMRR＠60Hz	70 dBu @ +20dBu,60Hz
	Input impedance	2kΩ balance,4kΩ unbalance
	Maximum input gain	54dB
	Output quantization	48KHz/24bit
	D/A dynamic range	113dB
	Dynamic range	113dB
	Channel Isolation	113dB
	Frequency response	20～20kHz (±0.5dB)
	(THD+N)	≤0.005% @1kHz,+18dBu
	Output impedance	100Ω
	Maximum output	20dBu
	Operating power supply	AC 110V~230V AC,50Hz /60Hz
	Operating Temperature	0 -40 ℃

Highlight features >>>

- 8 ~ 16 balanced input (Microphone/line), supporting phantom power, 8 ~ 16 balanced output;
- 24bit D/A conversion, 48KHz sampling rate;
- 8*0-10V DC Voltage control input、485external serial control input、LAN network control;
- DSP audio processing chip, able to realize digital conversion of multi-points to multi-points and digital routing;
- Input channel: 5-band PEQ、Noise gate、Compressor& Limiter;
- Output channel: 7-band PEQ、Noise gate、Compressor & Limiter、Delay

Other Features >>>

- high speed floating point DSP processing chips;

- Feedback cancellation;

- With Auto gain control, auto mixing function;

- M-LAN、RS-232、RS-485、GPIO etc. multiply control port;

- The software support multiply platform, with humanized operation interface;

- Use Tendzone's third-generation audio processing technology, high quality DSP, full function matrix mixing function, which can provide users with the superior sound quality.

- Build in feedback cancellation module;

- Build in automatic voice tracking function, with RS-485 control port, Can easily realize the video conference;

- RS232 bi-directional serial control interface: Can control other device or receive the command from the third party RS-232, such as video matrix, camera;

- GPIO programmable control port, M-LAN multi-function data transmission and control port;

- Support 8 groups of scene preset, humanized operation software interface, can work on 32bit/64bit，windows 2000 /XP /windows 7. More Intuitive, easy to use for the new customers.

- Input: Pre-amplifier, generator, expander, compressor, 5-band PEQ, mixer;

- Output: Speaker processors （8-band PEQ, latency, crossover, high pass filter, low pass filter），limiter .