

## Technische Daten FM-Audio DSP

- 4 inputs, 8 outputs
- dual-channel AES/EBU input
- Beispiellose Audioqualität
- State-of-the-art digital processing 96kHz mit 64bit
- Programmierbares User Interface  
Monitoring und permanente Protokollierung der Kernparameter,  
wie Temperatur, Signal level und Gain Reduktion
- 800 FIR taps (pro Ausgang)
- 100/250 Presets (Signature Version)
- Optional Dante and AES67 Modul
- Mehrfachanzeige und GPI/GPO Unterstützung
- 8 Temperatur Sensoren
- 100Mbit LAN mit Durchschleifung
- Direkter Import einer Textdatei aus Rephase oder Acurate (REW EQ Messung)

Parameter	Test Condition	Min	Typ	Max	Unit
Analog Inputs (electronically balanced)			4		
Dynamic Range	< 1% THD, A wtd	130	135		dB(A)
Max. Input Level	< 1% THD		+24		dBu
Input Impedance (balanced)			21		kΩ
Input Impedance (single ended)			10.5		kΩ
Digital Inputs			2	6	
Analog Outputs			8		
Dynamic Range	Max. level limited by DSP (A wtd)	116	120		dB(A)
Maximum Output Level	Limited by DSP		+18		dBu
Output Level Selection			+6, +12, +18		dBu
Noise Floor	Default setting, Channel muted		-102	-98	dBu(A)
Source Impedance			157/235/470		Ω
Digital Outputs				4	
Input-to-output latency	FIR disabled, unity gain		350		μs
Gain (without amplifier, DSP only)			0 +/- 0.5		dB
Dynamic Range (unity gain, DSP only)	< 1% THD, A wtd		typ. 120		dB(A)
THD	0dBu, 1kHz, unity gain, DSP only		< 0.003		%
Frequency Response (DSP only)	0dBu, unity gain, DSP only, +/- 0.5 dB		20...20k		Hz
Frequency Response (DSP only)	0dBu, unity gain, DSP only, +0.5 /-3 dB		10...40k		Hz
DSP			64 bit multimode		
Number of processors			5		
Sample rate			96		kHz
FIR			8x800		taps
Presets			250		
Delay			2000 (in) / 50 (out)		ms
PEQ (each input and output)			10		bands
Grouping EQ (each input)			5		bands
Crossover (each input, LPF and HPF)				24	dB/Oct
Crossover (each output, LPF and HPF)				48	dB/Oct
Compressors (each input and output)			4		bands
Limiter (switchable true RMS / Zero Attack, each in and out)			1		bands
Analog Supply Voltage VCC / VSS		+/- 12	+/- 15	+/- 16	V
Optional additional supply voltage (VDD)			6		V
Current consumption VCC (using optional VDD)				150	mA
Current consumption VCC (without optional VDD)				500	mA
Current consumption VSS				150	mA
Current consumption VDD				600	mA
Temperature		0		50	°C
Humidity				80	%RH