FEDYCO®

QMX series

QMX 4.4
QMX 4.6

- Using Class D amplification scheme by FEDYCO, 95% high efficiency, reduces the consumption of power supply current and meet the needs of environmental protection.
- Special designed mold with distinctive appearance, with 2.0-inch TFT full-vision (IPS) colorful display, show the volume / temperature / sensitivity / connection mode status of each channel, convenient for local diagnosis in time.
- With 4-input and 4-output high-performance 96K ADI DSP, high-fidelity & low-noise 24-bit A/D and D/A conversion, it can detect and control multiple devices at the same time by TCP/IP. Including limiter, matrix frequency division, delay, PEQ, mute, phase, gain adjustment, level indication, save, recall, import and export functions.
- Network detection function, including the temperature, output current, real-time impedance, speaker connection status of each channel.
- Real time TCP/IP control function, including the mode selection (stereo, parallel, bridge), sensitivity selection (0.775V/1.0V/1.44V), signal source selection, output form selection (constant voltage 70-100V, constant voltage resistance), available to setting matrix, delay, 7-segment EQ, pressure limit, phase, mute, gain, save/recall.
- Precise level scale display setting, one-button mute function, convenient for precise system debugging.
- The split power cord design is convenient and safe. The power switch is set on the back to prevent accidental power-off operation in fixed installation.
- 1U aluminum panel design, novel and lightweight, easy to install, match the modern engineering design requirements.
- Built-in voltage limit, short circuit protection, DC protection, overload protection, overheat protection and other multiple protection circuits to keep the system stability.
- Fast Class D conversion speed, transparent and bright sound, which meets the timbre requirements of government & projects.

SPECIFICATIONS

MODEL	QMX4.4	QMX4.6
Stereo (Channels)	4 CH	4 CH
8Ω / FTC 20Hz-20kHz @0.5% THD	4x400W	4x600W
4Ω / FTC 20Hz-20kHz @0.5% THD	4x550W	4x800W
Bridged (2 Channels)	Power	Power
8Ω / FTC 20Hz-20kHz @0.1% THD	2x800W	2x1200W
4Ω / FTC 20Hz-20kHz @0.1% THD	2x1100W	2x1600W
70 / 100V 20Hz-20kHz @0.1% THD	4x550W	4x800W
S/N (20Hz-20KHz) 8Ω	>95dB	
THD (@8Ω 1KHz)	<0.5%	
Input Impedance	0.775V / 1.0V / 1.44V	
Frequency Response	20Hz-20KHz +/-0.5dB	
Circuit Type	CLASS D (PFC TECH)	
Damping Factor	>1000 @8Ω 400Hz	
DSP	96K ADI 24-BIT DSP : DELAY, COMPRESSOR, PEQ (11), MIXER, GAIN	
Switch	Built in 100M	
Cooling System	3 Fans	
In/Output Connection	Input: Phoenix plug, AES Input, Output: Phoenix plug	
Control	Front panel: DSP control button, Menu button, Rear panel: USB interface	
Connection method	TCP/IP / USB	
Protection	Short, Auto Limited, Overload AC/DC protection	
Dimension (W x D x H)	695 x 570 x 100mm	
Power Supply	90V-260V	