

MZA Amplifier Selection Guide

State-of-the-art Class-D Amplifiers Built to Outperform



The **MZA Family of Amplifiers** are the most advanced Multi-Zone Amplifier available on the market today. Designed for harsh environments with unfriendly electrical situations, these industrial units are ready for any public-address application and prepared to withstand the toughest challenges.



Built upon twenty years of successful deployments within the metropolitan transit space, these next generation digital devices bring your installation or application up to the 21st century with a fully forward-looking, yet backward-compatible solution.

Built to last, these amplifiers incorporate a well-defended wide-range DC input power system, over-engineered ESD protection on all connections, transformer input and output (not available for MZA-1880 Model) isolation for ground loop prevention, and are protected by an aluminum-alloy extruded enclosure that is IP67 rated and meets IEC 60068-2 environmental standards.

Model Number	Mono Stereo	Input isolation	Output Isolation	Output Transformers		Inputs	Output Voltage	Output Voltage	Output Voltage	Output Voltage	Peak Power (watts)
				1	2		Z1	Z2	Z3	Z4	
MZA7010	M	✓	✓	✓	-	M+A+B	70	70	14	14	125
MZA7010P	M	✓	✓	-	✓	M+A+B	70	70	14	14	250
MZA7010H	M	✓	✓	-	✓	M+A+B	70	70	70	70	250
MZA7020	S	✓	✓	-	✓	M+L/R	70	70	14	14	125+125
MZA7020H	S	✓	✓	-	✓	M+L/R	70	70	70	70	125+125
MZA1880	S	✓	-	-	-	M+L/R	20	20	20	20	110+110

Specialized hardware & software configurations can be produced that differ from MZA standard specifications, contact your MZA sales representatives for details on custom applications.

MZA Amplifier Comparison Guide

Select the Best Industrial Multi-Zone Amplifier for Your Application



		COMPARING INDUSTRIAL AMPLIFIERS		
		OPTIM AUDIO AMPLIFIER OP980	DIGITAL ACOUSTIC IP AMPLIFIER IP7-SS40	NEW POTATO MZA-7010
AUDIO PERFORMANCE	Rated output power	60W	40W	125W
	THD at rated power	1%	10%	0.10%
	Frequency Range, voice	100Hz ... 15kHz	90Hz ... 4kHz	selectable within 45Hz ... 20kHz
	Frequency Range, background music	n/a	90Hz ... 11kHz	45Hz ... 20kHz
	70V loudspeaker output	✓	✗	✓
	Low-impedance loudspeaker output, Ohm	4...16	8	4...16
	Audio inputs available	1	1	3
	Output channels	4	1	4
	Class D amplifier	✗	✓	✓
	Automatic Level Control	✓	✗	✓
	Balanced audio inputs	✓	✗	✓
ADVANCED FEATURES	Ethernet 10/100BaseT	✗	✓	✓
	Audio streaming	✗	✓	✓
	Processor performance, MIPS	-	50	150
	Endpoint Security (Ethernet)	-	✓	✓
	Hardware Data Encryption (Ethernet)	-	✗	✓
	Bluetooth® connection	✗	✗	✓
	Dedicated secure smartphone app	✗	✗	✓
DURABILITY	Ingress Protection	✗	✗	IP-67
	Operating Temperature, °C	-30 to +65	-30 to +70	-40 to +85
	Humidity, %	5 to 90 (non-condensing)	10 to 90	0 to 100 (condensing)
	Case construction	Steel	Stamped Aluminum	Heavy-Duty Aluminum Extrusion
POWER SUPPLY	Power supply input	DC	DC	DC
	Power input range, nominal, V	24... 47	24 ... 25	24...90
	Lowest input voltage to operate, V	18	24	12
SAFETY	Electronics isolated from the case	✓	✗	✓
	Transformer isolated inputs	✓	✗	✓
	Transformer isolated outputs	✓	✗	✓

Contact your sales or technical representative at New Potato to help ensure you select the Multi-Zone Amplifier model that best fits your needs.