

Intelix M Series Matrix Mixer

The matrix mixer shall provide up to 128 line level inputs and up to 128 line level outputs. All input and output connectors shall be Phoenix type connectors. Each 110 crosspoint shall provide full user control of parameters including level, ramp time, and slew rate. Ramping and ducking of crosspoint levels shall be under user control. All inputs shall be capable of being mixed to any output. The gain adjustment of level at each crosspoint shall be from 0dB to -100dB. The matrix shall be programmable through dual RS232 ports or a TCP/IP Ethernet port. A TCP/IP call out feature shall allow for remote connection via the IP LAN or WAN for diagnostics and monitoring or control purposes. An internal client authorization feature shall provide for IP security. The matrix shall be capable of storing up to 128 presets, recallable via serial commands or contact closure inputs. The presets shall be stored in nonvolatile memory on board the matrix. The Matrix shall provide for a calendar clock event scheduler function. Presets, level control and routing shall be among the functions which can be scheduled as onetime or repetitive events by the scheduler utility. The matrix shall be capable of external DC control via digital I/O ports. There shall be available an eight channel optional mic/line card to provide preamplification of input signals. The matrix shall be capable of saving and restoring all settings in the event of a power failure. The matrix shall be capable of accepting both AC and DC power supplies. The frequency response of the matrix mixer shall be $\pm .5$ dB from 20Hz to 20kHz and +0, -3 from 10Hz to 30kHz. Crosstalk shall be better than -80dB. Control point attenuation resolution shall be .4 dB per step. Input impedance shall be 20K Ohms balanced and 10K Ohms unbalanced with a maximum level of +26dBu RMS. Output impedance shall be 220 Ohms unbalanced and 440 Ohms balanced, with a maximum level of +26dBu RMS.