

VIVO-X8

DIGITAL PROCESSORS & MATRIXES

EclerPLEX Matrix



A&E SPECIFICATIONS

The digital audio matrix processor shall be a DSP-based audio processing and routing unit capable of operating as a host device within a scalable audio ecosystem. It shall support multiple simultaneous processing projects and provide integrated control, automation, and user interface serving capabilities.

The processor shall provide 8 analogue MIC/LINE input ports with selectable +48V phantom power on each input and 8 analogue LINE output ports. Input and output connections shall be balanced and performed using 3-pin Euroblock connectors.

The unit shall incorporate a flexible DSP architecture allowing custom-sized matrix configurations and optimized processing resources depending on the project requirements. Internal processing shall support matrix routing, signal level control, equalisation, dynamics processing, delay, and signal generation functions.

The device shall include embedded control and management software accessible via Ethernet, allowing system configuration, monitoring, and control. Remote control shall be available via web application, User Control Panels (UCP), and external control systems via Ethernet or RS-232.

The system shall include 2 Ethernet ports for control and communication and 1 RS-232 port for third-party integration. Expansion capability shall be provided via 2 X-link ports allowing connection of external expansion units to increase system I/O capacity.

The processor shall include 4 GPI ports for external control integration. Internal audio playback capability shall be provided via a microSD card slot supporting common audio file formats.

The unit shall be powered by an internal universal power supply operating at 100–240V AC, 50–60 Hz. The device shall be suitable for installation in a standard 19" rack (1RU format).

The digital audio matrix processor shall be the ECLER VIVO-X8.