

VIVO-X8D8

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, supporting both analogue and networked digital audio formats.

The processor shall provide 8 analogue MIC/LINE input ports with selectable +48V phantom power, 8 analogue LINE output ports, 8 Dante®/AES67 digital input channels, and 8 Dante®/AES67 digital output channels. All analogue connections shall be balanced and performed using 3-pin Euroblock connectors.

The device shall support Audio over IP protocols including Dante® and AES67, allowing integration with networked audio systems. Digital audio signals shall be transported via Ethernet interface.

The processor shall incorporate a flexible DSP architecture allowing custom matrix sizes and processing configurations. Internal DSP functions shall include matrix mixing, routing, equalisation, dynamics processing, delay, and signal generation.

The system shall provide 8 GPI inputs and 8 GPO outputs for integration with external control systems. Programming, control, and monitoring shall be available via Ethernet-based web application, User Control Panels (UCP), and third-party systems via TCP/IP or RS-232.

The unit shall provide 2 Ethernet ports, one for control and one supporting networked audio protocols. Expansion capability shall be provided via 2 X-link ports allowing connection of external expansion units.

Internal audio playback shall be available via microSD storage supporting standard audio file formats. The device shall support scheduling, automation, and control functions within the embedded software environment.

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

The digital audio matrix processor shall be the ECLER VIVO-X8D8.