

VIVO-X8D8

DIGITAL PROCESSORS & MATRIXES

EclerPLEX Matrix



PRODUCT OVERVIEW

VIVO-X8D8 is an EclerPLEX Host matrix with 8 analogue and 8 Dante/AES67 audio input ports, 8 analogue and 8 Dante/AES67 audio output ports, scalable thanks to two X-link ports. Each X-link port allows the connection of one BIO Series expansion unit. VIVO-X8D8, performing as a Host unit in an EclerPLEX deployment, can contain multiple projects running simultaneously and serve user control panels to end users.

KEY FEATURES

- EclerPLEX ecosystem host matrix unit.
- 8 MIC / LINE analogue audio input ports (+48V Phantom selectable per port).
- 8 LINE analogue audio output ports.
- 8 Dante/AES67 digital input ports (4 flows).
- 8 Dante/AES67 digital output ports (4 flows).
- 8 GPI ports.
- 8 GPO ports.
- 1 microSD card slot (for the 4 players).
- 2 x X-link audio&control expansion ports (each port allows to locally connect an external BIO Series expansion unit).
- Scalable up to a 32x32 audio matrix size, including:
 - 24x24 analogue audio ports (by adding 2x BIO-X8 or BIO-X8G units).
 - 24x24 GPIO ports (by adding 2x BIO-X8 or BIO-X8G units).
 - 8x8 digital audio ports (Dante/AES67).
- 2x Ethernet (NET1 control, NET2 Control + Dante/AES67).
- 1 x RS-232 control port.
- 1 x 1.9" Colour TFT Display.
- Flexible processing structure (allows for custom-size matrix size matrices and custom-DSP power projects).
- Embedded EclerPLEX application that includes:
 - A Workspace, including multiple types of custom-size simultaneous projects running simultaneously, events, calendars, presets and more.
 - An editor, manager and server of User Control Panels
 - Scripting automation & control system.
 - 4 Internal SW audio players.
 - 2 Internal audio generators.
 - EclerCLOUD monitor and control native device.
 - Auto update feature.



The hardware is designed to support all the features described in this document. Some are available from version 1.0, while others will be enabled progressively through future software updates.

APPLICATIONS

- Retail
- Corporate
- Sports & Wellness
- Hospitality

ACCESSORIES & COMPATIBLE PRODUCTS

- BIO-X8
- BIO-X8G



TECHNICAL SPECIFICATIONS

VIVO-X8D8

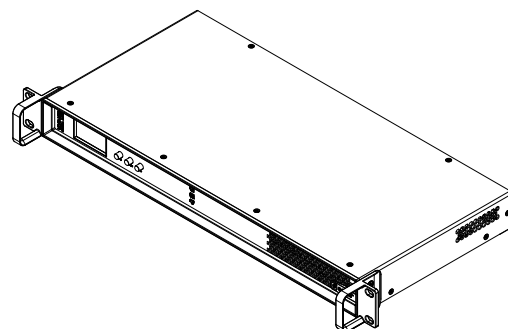
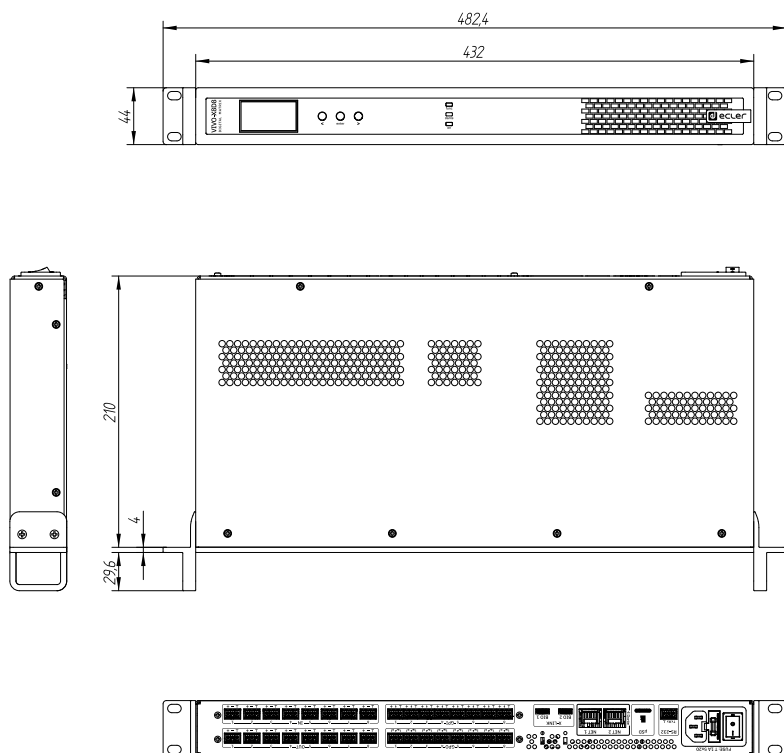
Digital Engine	
Processor	Quad core 64bits 1,5GHz
Audio Converters	
Sampling rate	48 kHz
Resolution	32 bit
Latency	3.87ms
Frequency response	10Hz to 20kHz (-0,5 dB)
Dynamic range	ADC:115dB, DAC: 115dB
Analogue Audio Input Ports	
Number of input ports	8, MIC/LINE level
Connection type	Euroblock, 3-pin, balanced
Input sensitivity	-32,5 dBV to +18,5 dBV -30,3 dBu to +20,7 dBu
Input impedance	8k Ω (balanced), 4k Ω (unbalanced)
Max input level	18,5 dBV / 20,7dBu
Mic preamp EIN	<-129,5 dBV <-127,3 dBu
Dynamic range	Gain 0 dB: >110,2 dB Gain 21 dB: >109,5 dB Gain 42 dB: >105,5 dB Gain 51 dB: >99,5 dB
THD + Noise	Gain 0 dB & Vin 0 dBV: 0,0025% Gain 21 dB & Vin -21 dBV: 0,0026% Gain 42 dB & Vin -42 dBV: 0,0044% Gain 51 dB & Vin -51 dBV: 0,0085%
CMRR	Gain 0 dB & Vin +17 dBV: 0,0010% Gain 21 dB & Vin -4 dBV: 0,0015% Gain 42 dB & Vin -25 dBV: 0,0010% Gain 51 dB & Vin -34 dBV: 0,0015% >70dB typ (1kHz) >60 dB typ (20 Hz - 20kHz)
Phantom power	+48VDC, 10mA per input max
Analogue Audio Output Ports	
Number of output ports	8, LINE level
Connection type	Euroblock, 3-pin, balanced
Max output level	18,5dBV / 20,7dBu
Output impedance	300 Ω (balanced), 150 Ω (unbalanced)
Dynamic range	> 112,5 dB
Crosstalk	> 95dB
Audio Over IP	
Protocols	Dante® / AES67 (4/4 flows)
Number of digital input ports	8
Number of digital output ports	8
Interfaces	1 x RJ-45 - NET2
Connectivity	
Ethernet	2, RJ-45 connector NET1 & NET2 (no switch capability) Ethernet Base-Tx 10 /100Mb, 1Gb Auto X-Over

Programming and control	Serial port	RS-232, Euroblock, 3-pin connector
	X-LINK	EclerPLEX (Web application), TPNET (UDP/RS232), UCP control panels
Remote Control Connections		2, X-LINK ports. USB-C connector
	GPIs	8, 0 to 12VDC
	GPOs	8, 3 poles isolated relay; Contact rating: 2A, 30VDC; 0,5A, 125 VAC
Real-Time Clock		
	Retention time	> 5 years
	Accuracy	±1 minute / month
Local Storage		
	microSD	SDXC
	Capacity	Up to 2TB
	File system	FAT16, FAT 32, VFAT (read/write) NTFS (read)
	Playable audio files	Multi-partition up to 1 mp3, ogg, WAV, FLAC, AIFF
	Files analysis	65354 playable folders 65354 playable folders within each folder 65354 playable files within each folder
	Folder hierarchy	Up to 8 containing the root directory
	Sorting	UNICODE, in alphabetical order Up to 100 folders / files by folder Folders/files over 100 sorted in the FAT order
Electrical		
	Power supply	Internal. Universal, regulated switching mode supply
	AC mains requirement	100-240 VAC @ 50-60Hz
	AC mains connector	IEC C14 inlet
	Power consumption	<19 W Typ, <23,5 W Max <36 VA, <41,5 VA Max
	Heat load	<65 BTU/h Typ, <80 BTU/h Max
	Ventilation	FAN
Physical		
	Operating temperature	Min: 0°C ; 32°F Max: 50°C ; 122°F
	Operating humidity	5 - 85% RH, non-condensing
	Storage temperature	Min: 0°C ; 32°F Max: 50°C ; 122°F
	Storage humidity	5 - 85% RH, non-condensing
	Installation options	Desktop, 19" racks (1RU)
	Included accessories	1x EU Mains cord, 1x Multiplug Mains cord, 4x Washers, 4x Rubber feet, 17x Euroblock connectors (green colour), 16x Euroblock connectors (blue colour), 2 USB holders, 2x Screws.
	Dimensions (WxHxD)	482.4 x 44 x 214 mm / 18.99 x 1.73 x 8.43 in.
	Weight	3.2 kg / 7.05 lb
	Shipping dimensions (WxHxD)	585 x 385 x 75 mm / 23.03 x 15.15 x 2.95 in.
	Shipping weight	4.65 kg/ 10.25 lb

MECHANICAL DIAGRAM



Ecler VIVO-X8D8 Mechanical Diagram



All the measurements are in mm

6I-114I-0200

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