VIVO-XØD32

DIGITAL PROCESSORS & MATRIXES

EclerPLEX Matrix



PRODUCT OVERVIEW

VIVO-XØD32 is an EclerPLEX Host matrix featuring 32 Dante®/AES67 audio input ports and 32 Dante®/AES67 audio output ports. It is scalable via its X-link port, allowing the connection of a single BIO Series expansion unit. As a Host unit within an EclerPLEX deployment, it can run multiple projects simultaneously and provide user control panels for end users.

KEY FEATURES

- EclerPLEX ecosystem host matrix unit.
- 32 Dante®/AES67 digital input ports (16 flows).
- 32 Dante®/AES67 digital output ports (16 flows).
- 1 microSD card slot (for the 4 players).
- 1x X-link audio&control expansion port to locally connect an external BIO Series expansion unit.
- Scalable up to a 40x40 audio matrix size, including:
  - 8x8 analogue audio ports (by adding 1x BIO-X8 or BIO-X8G unit).
  - 8x8 GPIO ports (by adding 1x BIO-X8G unit).
  - 32x32 digital audio ports (Dante®/AES67).
- 2 x 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



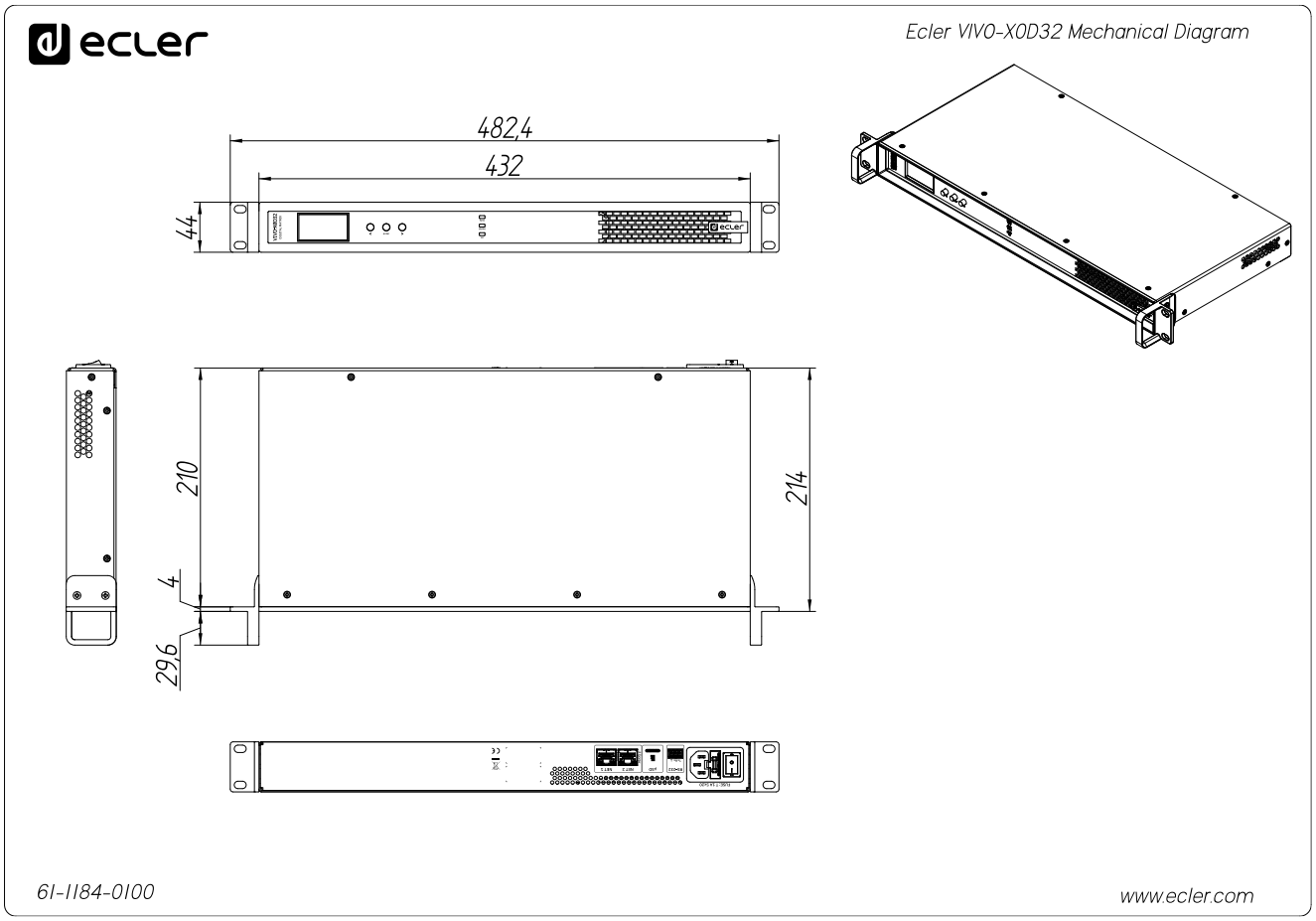
TECHNICAL SPECIFICATIONS

VIVO-XØD32

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
Audio Over IP	
Protocols	Dante® / AES67 (16/16 flows)
Number of digital input ports	32
Number of digital output ports	32
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
Serial port	RS-232, Euroblock, 3-pin connector
Programming and control	EclerPLEX (Web application), TPNET (UDP/RS232), UCP control panels
X-LINK	1, X-LINK port. USB-C connector
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)
	Multi-partition up to 1
Playable audio files	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	5.8 W
	11.6 VA
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, 1x Euroblock connectors (green colour), 1 USB holder, 2x Screws.
Dimensions (WxHxD)	482.4 x 44 x 214 mm / 18.99 x 1.73 x 8.43 in.
Weight	2.82 kg / 6.22 lb
Shipping dimensions (WxHxD)	585 x 385 x 75 mm / 23.03 x 15.15 x 2.95 in.
Shipping weight	4.27 kg/ 9.41 lb

MECHANICAL DIAGRAM



All product characteristics are subject to variation due to production tolerances
NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.
For technical queries contact your supplier, distributor or complete the contact form on our website, in **Support / Technical requests.**