PCI EXPRESS®

Digigram

Professional multichannel sound cards

PCI Express series of VX sound cards

Boarding pass to a new world

Digigram now offers PCI Express versions of its VX1221HR and VX1222HR sound cards for linear-audio-based live-assist systems. Exacting specs, outstanding quality, absolute reliability and total connectivity make this new generation the number one choice for pro audio manufacturers and software vendors. The VX1221e and VX1222e multichannel sound cards share the same features as the HR series and integrate seamlessly with the same professional audio software.

visiblu ready

These sound cards are visiblu ready : get connected to the world of distributed IP audio. A solution based on visiblu®, the Network Audio Operating System by Digigram, takes advantage of their power for low latency wide area network encoding and processing, whether they are located next door or hundreds of miles away.

PCI Express linear sound cards with 1 stereo input and 6 stereo outputs:

- VX1222e: analog and digital I/Os
- VX1221e: digital I/Os

- Up to 24-bit/192 kHz
- Six different stereo feeds plus simultaneous program recording, only one PCI Express slot required
- Comprehensive set of Windows® drivers: Digigram np, WDM DirectSound (digitally signed by Microsoft®), Wave, ASIO
- Optional breakout box

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	VX1222e	VX1221e
Configuration		
Bus/Format	PCI Express™ X1 (compatible with X1, X2, X4, X8, X12, X16, X32 slots)	
Size	167.7 mm X 106.7 mm X 17.1 mm	
Digital Signal Processor & RAM	Motorola 56321 at 240 MHz 512 kWords	
Operating: temp / humidity (non-condensing)	0°C/+50°C * • 5%/90%	
Storage: temp / humidity (non-condensing)	-5°C/+70°C • 0%/95%	
Inputs		
Balanced analog line inputs (mono)	2	-
Maximum input level / impedance	+24 dBu / > 10 kΩ	-
Sampling frequencies available	Programmable from 8 to 192 kHz	-
A/D and D/A converter resolution	24 bits	-
Digital input (stereo)	1 AES/EBU with hw Sample Rate Converters, 7.5:1 to 1:8, up to 192 kHz	
Programmable input gain	analog and digital	digital
PCM recording (encoding)	8, 16 or 24 bits	
Other inputs	AES/EBU Sync (up to 192 kHz), Word clock (up to 96 kHz), LTC, Video	
AES11 synchronization	Yes	
Outputs		
Analog line outputs (mono)	12 servo-balanced	-
Maximum output level / impedance	+24 dBu / < 100 Ω	-
Digital outputs (stereo)	6 AES/EBU, up to 192 kHz	
Programmable output gain	analog and digital	digital
Other outputs	Word clock, inter-board sync	
Connectors		
External connector	68-pin HD SCSI	
Digigram accessories available	XLR breakout cable, 2 RU 19" rack-mount breakout box with Neutrik® connectors	
Internal connector	Inter-board sync	
Audio performance measured at Fs=48 kHz		
Frequency response (record + play)	20 Hz -20 kHz: 0/-0,4 dB	—
Dynamic range	Analog In: >104 dB	—
(A-weighted)	Analog Out: >110 dB	—
THD + noise 1 kHz at –1 dBfs	Analog In: <–96 dB	—
	Analog Out: <–96 dB	—
Channel phase difference: 20/20kHz	0.2° / 2°	—
Crosstalk (Analog in or out)	1 kHz at 22 dBu: <–100 dB	—
	15 kHz at 22 dBu: <–90 dB	—
Development environments and on-board processing		
Supported OS	Windows XP and Windows Vista	
Management	np SDK, Wave, ASIO, DirectSound (all: PCM only)	
Main on-board processing features	PCM play, rec, direct monitoring, real-time mixing,	
(with np SDK)	level adjustment, panning, cross-fade, punch-in/punch-out, scrubbing,	
	frequency conversions, DigiQMAX 3-band parametric EQ and maximizer	

* With two cards installed next to each other, the host computer must be suitably aerated.

Digigram (www.digigram.com) digital audio solutions are key to the success of public address and pro sound installations, as well as broadcast and media production companies worldwide. We develop innovative networked audio devices, computer sound cards, and audio management software.

Digigram Powered solutions are installed in thousands of radio and television stations; corporate and commercial sound installations; and audio recording and video post-production facilities around the globe.

Customers are served from three regional business units: Digigram SA (Digigram Headquarters, Montbonnot, France), Digigram Inc. (Arlington, VA USA), and Digigram Asia (Singapore). Digigram is publicly traded on the Paris stock exchange (Code ISIN: FR 00000 35784).

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