



Digigram PCXpocket

Laptop Sound Cards

PROFESSIONAL AUDIO APPLICATIONS ON YOUR LAPTOP



▶ **IN 1997, DIGIGRAM PCXPOCKET** was the first Type II PC Card for professional audio applications on a laptop. Digigram now offers you a choice Pocket cards with a range of processing power levels and audio interface configurations.

The three Digigram PCXpocket cards are designed primarily for specialized Digigram Powered applications that are written by our development partners to run on the cards' on-board digital signal processors.

For standard third-party audio and music production software on Windows or Mac OS platforms, the Digigram VXpocket (described separately) should be considered.

- The PCXpocket v3 has both analog and digital inputs and outputs.
- PCXpocket 240 and PCXpocket 440 are dedicated for multichannel applications.

If the possibility of running sophisticated audio applications on a laptop has sparked your imagination, this range of cards can turn your concept into a reality.

▶ KEY FEATURES

- All cards are full duplex, offering simultaneous and independent record and playback capabilities.
- PCM encoding/decoding resolutions are 8, 16, or 24 bits.
- All Pocket cards can run applications that comply with Microsoft's WAVE protocol.
- When using applications based on the Digigram np SDK with the PCXpocket cards:
 - Real-time mixing of multiple sound files, level adjustment, panning, cross fade, punch-in/punch-out, scrubbing, time-stretching, pitch-shifting, and format and frequency conversions are performed on the DSP of the cards.
 - Cards perform real-time, simultaneous MPEG Layer I and Layer II compression and decompression during record and playback. Support provided for Layers I and II of the MPEG Audio standard (ISO 11172-3) and the low sampling frequencies of the MPEG-2 Audio standard (ISO 13818-3).
 - Cards perform GSM encoding and decoding.
 - LTC inputs on the PCXpocket v3 and PCXpocket 440 can be used for synchronization.
 - Multiple applications may share the resources of a single card.
 - Analog inputs and outputs may be configured as one stereo or two mono channels.
 - Interboard synchronization is possible for operation of two PCXpocket 440s in one laptop.



PCXpocket v3

Our latest generation stereo model, the PCXpocket v3 provides the finest portable audio quality with its 24-bit converters. Significant on-board DSP enables the PCXpocket v3 to manage a variety of Digigram Powered (np SDK) applications, including those that can take advantage of its LTC (SMPTE) time-code input for synchronization. These applications can perform their audio processing on the PCXpocket v3, instead of on the computer's native processor.

The PCXpocket v3 is also compatible with the wide range of PC software for recording and production that operate under Microsoft's WAVE protocol and run on the laptop's processor. It has two balanced analog mono inputs at microphone or line level and two balanced analog outputs. SPDIF input and output allow direct digital transfer. A break-out cable is provided with XLR connectors for the analog inputs/outputs, phono (CINCH) connectors for the digital input/output, and a phono connector for the LTC input.





PCXpocket 440

Digigram is pleased to present our most complete laptop sound card. The PCXpocket 440 has four mono (or two stereo) analog inputs and four mono (or two stereo) analog outputs. In addition, an SPDIF input can be used in place of the first stereo input pair and an SPDIF output operates in parallel with the first stereo output pair. If more inputs and outputs are needed, two PCXpocket 440s can be synchronized in the same laptop.

Significant on-board DSP enables the PCXpocket 440 to manage a variety of Digigram Powered (np SDK) applications, including those that can take advantage of its LTC (SMPTE) time-code input for synchronization. Additional DSP functions enabled by the np SDK include MPEG (Layer I and II) and GSM encoding and decoding, variable sampling frequency, and sophisticated audio processing. The PCXpocket 440 may also be used with applications using Microsoft's WAVE protocol.

A unique "Cable Cosse" provides positive connection to the PC Card on one side and to a fan-out of audio cables on the other. Analog connectors are XLR and the SPDIF and LTC connectors are phono (CINCH).

A portable and powerful digital audio workstation is created when the PCXpocket 440 is coupled with Digigram's Xtrack suite of digital audio production tools.

PCXpocket 240

Primarily designed for low bit rate recording applications, such as audio logging, the PCXpocket 240 has four balanced analog mono inputs and a stereo output for monitoring. Inputs can operate at microphone or line level. When using an application developed using the np SDK, MPEG (Layer I or II) or GSM coding is performed on the card's DSP for maximum recording time. PCM linear is also available for best fidelity in audio analysis and other uses. DSP-based processing, such as scrubbing, adds to the card's flexible feature set.

A unique "Cable Cosse" provides positive connection to the PC Card on one side and to a fan-out of audio cables on the other. Input connectors are XLR and the output connector is a stereo phone jack.

Applications using Microsoft's WAVE API may also be used with the PCXpocket 240.



