

Passport-PCI™ Series

MTP8PCI/MTP4PCI/MTP2PCI 2-8 port voice boards
data sheet

TELEPHONY APPLICATIONS

- Automated attendant/voice messaging
- Call logging and recording
- Interactive Voice Response (IVR)
- Call center/help desk
- Inbound and outbound telemarketing
- Automatic Call Distribution (ACD)

FEATURES AND BENEFITS

- 2-8 Analog POTS trunk lines using MUSIC Modular Interface Technology™
- 8 Voice/Tone resources - one for each port
- Half-sized PCI platform
- 3.5mm headset jack
- MVIP expansion bus
- Plug and Play™
- RJ-14 Telco connector
- International approvals (CTR-21 pending)
- Built to IPC standards under ISO9002 control

OPTIONAL FEATURES

- On-board conferencing on each port
- North American and International Caller-ID/CLIP
- OEMkey™ OEM Registration program

SOFTWARE SUPPORT

- **Available API**
 - Microsoft TAPI™ Support
 - WIN NT Native™
 - Active-X™
 - C/C++
- **Operating Systems**
 - Windows 2000™
 - Windows NT™ V4.0
 - Windows 98™
- **Software Utilities**
 - DSPView™
 - Profiler™
 - DiagPCI™

The MUSIC Telecom Passport-PCI™ Series **MTP8PCI**, **MTP4PCI** and **MTP2PCI** voice boards are feature-rich, half-size, PCI-based low-density analog interface hardware platforms capable of supporting sophisticated voice processing and computer telephony applications.

Three models include:

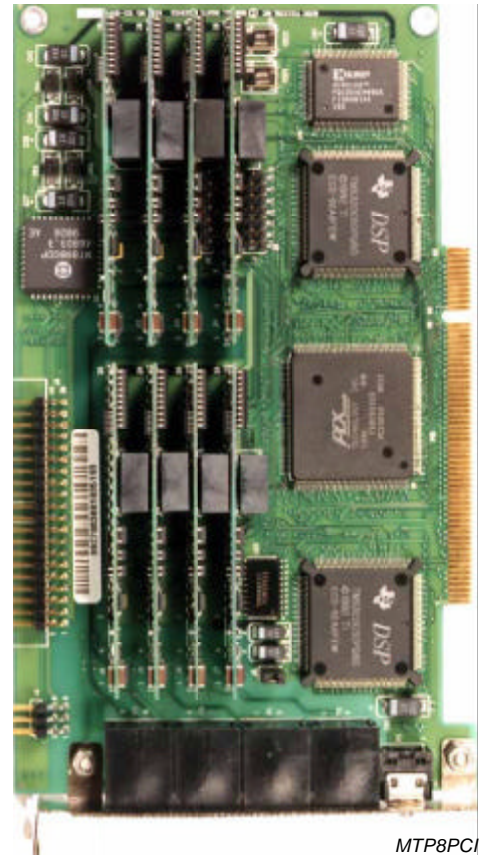
- MTP8PCI - 8-port voice board
- MTP4PCI - 4-port voice board
- MTP2PCI - 2-port voice board

These three new telephony hardware products are ideal platforms for applications developers who demand exceptional port performance at very affordable prices.

The MTP8PCI, MTP4PCI and MTP2PCI use a unique dual digital signal processing (DSP) architecture running state-of-the-art algorithms to deliver world-class DTMF call progress, tone detection and audio compression. Supported audio encoding includes OKI ADPCM, A-law/ μ -law, WAV, and GSM compression that offers a 13.3Kb per second storage rate. Each PCI voice board is equipped with a high impedance interface for call monitoring/call logging support. A built-in extra audio jack on each board allows activation of the audio channel for headset record/playback. Seamless integration to text-to-speech, speech recognition and fax is achieved using on-board industry-standard MVIP switching. All three models support North American and International Caller ID, on-board conferencing, and OEMkey registration.

Application development is facilitated using comprehensive MUSIC Telecom library development toolkits supporting Microsoft TAPI, ActiveX, and Windows NT Native, C/C++. Powerful developer/installer enablers include: DSPView - a manual test tool utility; Profiler - an automatic call progress setup utility; and DiagPCI - a diagnostic tool.

The MTPxPCI design takes full advantage of MUSIC Telecom's brand new Modular Interface Technology™, delivering a small PCI bus footprint, higher performance per port, enhanced configuration/installation including Plug-n-Play™, and low cost of ownership.



MTP8PCI

MUSIC
Telecom

DEFINING NETWORK TELEPHONY INTEGRATION (NTI™)

— MTP8PCI/MTP4PCI/MTP2PCI Passport-PCI™ Series —

TECHNICAL SPECIFICATIONS

General

- Minimum system: IBM Pentium or greater
- Host interface: PCI 2.1
- Form factor: PCI Half-size
- Host interface speed: 33Mhz, 32 bit target
- Number voice resources: 8 (also available in 2 and 4 port models)
- Number ports: 8 (also available in 2 and 4 port models)
- Max. boards/system: 16 (128 ports)
- Digital signal processor: 2x Texas Instruments TMS320C50
40 Mhz
- Connector(s): 4x RJ-14

Conferencing

- Group sizes: 2 to 8 ports
- Maximum groups: 8 (3 party maximum)

Telephony Interface

- Interface type: Two-wire loop start, terminate
- Loop current range: 20 to 55mA, Current limited
- Impedance: 600 Ohms +/- 5% (off-hook)
Greater then 10KOhms (on-hook)
- Echo return loss: Greater then 20 dBm (2-wire)
- Signal/noise ratio: 35dB referenced to -15dBm
(-15dBm, 1004Hz reference)
- Idle channel noise: Less then 20dBrc
- Cross talk coupling: Less then -70 dB (0dBm, 1004Hz)
- Freq. response: 350Hz to 3400Hz ±3dB
(transmit and receive)
- Ring detection: 30Vrms min, 13 to 68Hz

Power Requirements

- +5 VDC 1.5 A max. (All stations off-hook)
- +12 VDC 150 mA max.
- -12 VDC 150 mA max.
- Operating temperature: 0°C to +50°C
- Storage temperature: -20°C to +70°C
- Humidity: 8% to 80% noncondensing

Warranty

- 3 years standard

CERTIFICATIONS

- FCC Part 15 class A (pending) - USA
- FCC Part 68 (pending) - USA
- CSA (pending) - Canada
- CTR-21 (pending) - Europe
- CE (pending) - Europe

ORDERING INFORMATION

Model	Ports	Software Options			
		Caller ID	Call Logging	Conferencing	GSM
MTP8PCI	8				
MTP4PCI	4				
MTP2PCI	2				



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