



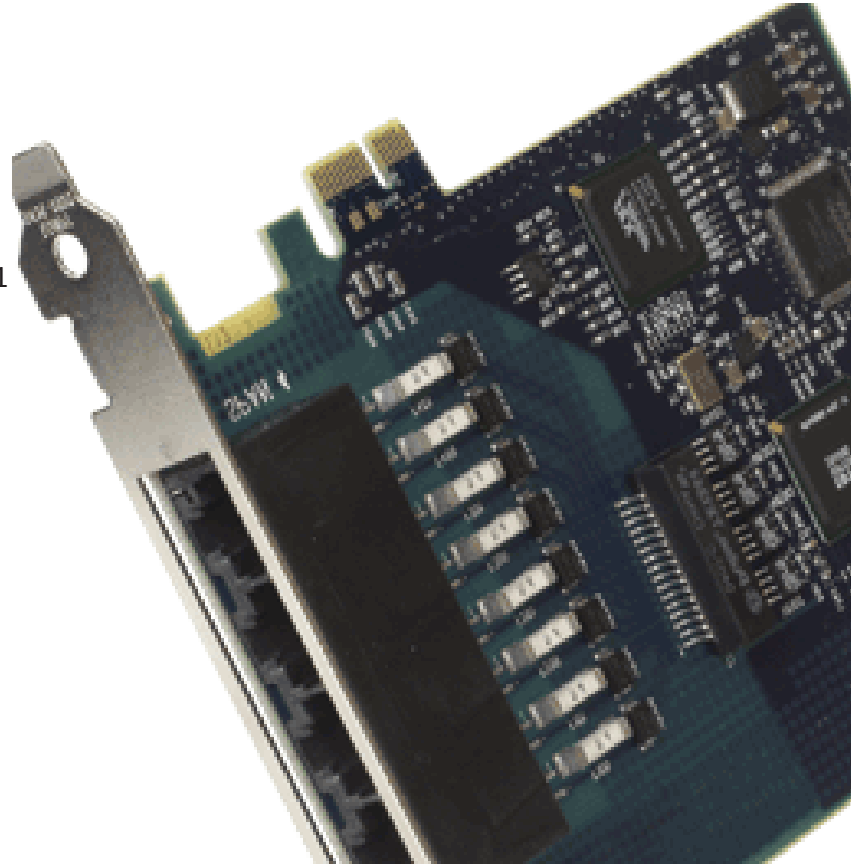
Digital Trunk PCIe Boards for HMP



These digital boards combine up to four T1/E1 digital network interfaces utilizing host based media processing (HMP-X). Highly flexible, they are software-configurable for use in multiple countries.

This 6 inch board features the PCI Express format, and will easily integrate into a standard PC chassis. Media processing is performed using PIKA's host-based (HMP-X) software resources.

These boards are ideal for traditional telephony applications as well as for fax and VoIP applications. The boards enable voice and fax services by way of connectivity to TDM and IP networks (via HMP-X API).



Key Features

- Connects to TDM and IP networks
- 1 to 4 span T1/E1 connectivity to deliver superior densities
- Integrated support of PIKA Technologies' Host Media Processing (HMP-X) architecture
- Integrated support of the low-level or high-level PIKA API delivers maximum design control and application performance
- CSU and DSU options are supported
- Windows or Linux development environments
- One board support for 120 channels
- Support for applications such as speech/voice recognition, fax, and more
- Caller ID, Call Transfer
- Environments via PIKA's low and high level APIs

Technical Specifications

Network Connection	Rear panel RJ48 connectors (DSX-1 or DS-1 interface)
Number of T1/E1 Spans	1 to 4 spans
Protocol	ISDN, Clear Channel, CAS/RBS
LineBuildOut	Software Selectable (CSU/DSU)
Impedance	T1: 100 ohm, E1: 120 ohm
Switch Types	4ESS, DMS 100, 5ESS, NI-2, NET5
Approvals	North America, European Union
HDLC	3 available per span
Framing	T1: ESF, SF/D4 E1: CRC4, Basic
Encoding	T1: B8ZS, AMI (NONE, GTE, BELL, JB8) E1: HDB3, AMI
Bus Interface: PCIe	Based on PCIe revision 1.0a specifications
PCIe bus speed	2.5 GHz, single lane link
Memory Address Allocation	Automatically assigned by Plug and Play cycle
Interrupts Allocation	Automatically assigned by Plug and Play cycle
Dimensions: PCIe (Metric)	151.8 mm L x 106.7 mm H x 15.2 mm D
PCIe (Imperial)	5.975" L x 4.2" H x 0.6" D
Power Requirements PCIe	Power consumption from 3.3V rail 1 W max
Environment Requirements	Operating Temperature 0 °C to +60 °C
Storage Temperature	-20 °C to +85 °C
Humidity, Non-condensing	5% to 95%

All PIKA boards are RoHS compliant.

PIKA provides a 1-year warranty on all boards.

This document is provided to you for informational purposes only and is believed to be accurate as of the date of its publication, and is subject to change without notice. PIKA Technologies Inc. assumes no responsibility for any errors or omissions in this document and shall have no obligation to you as a result of having made this document available to you or based upon the information it contains.

www.pikatechnologies.com
sales@pikatech.com
+1-613-591-1555