



Analog Logging PCIe Boards HMP



PIKA Analog Logging Boards with Host Based Media Processing (HMP) provide up to 16 analog, passive logging for FXO, FXS and 4-wire analog lines. Highly flexible, they are software-configurable for use in multiple countries.

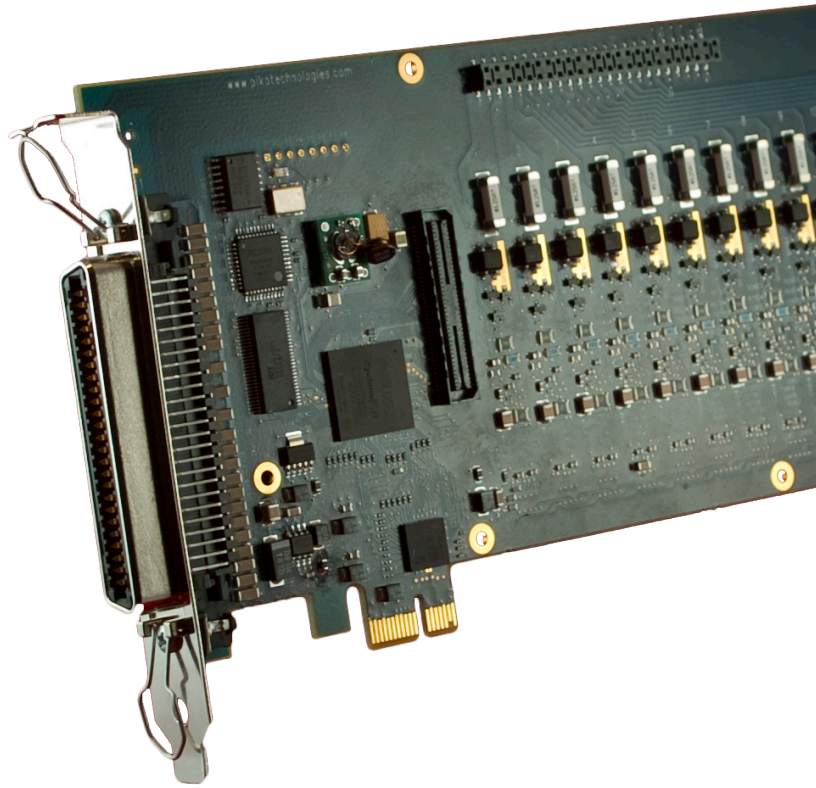
This 9.5 inch board features the PCI Express format, and will easily integrate into a PC chassis. Media processing is performed using PIKA's host-based (HMP-X) software resources.

These boards are ideal for high density logging applications. With up to 16 boards per chassis and up to 16 ports per board, high density solutions with up to 256 ports per chassis can be built.

PIKA Analog Passive Logging Boards, and PIKA Host Based media processing (HMP-X) represent a complete and scalable solution for the development of modern on premise and/or inCloud recording solutions.

Key Features

- Single slot PCIe card
- Only 9.5 inches long
- High impedance logging of analog line circuits
- Available in densities ranging from 4 - 16 analog line circuits (software license enabled) in 4-port increments
- Up to 16 boards per chassis.
- Host or Cloud based recording via Pika's HMP API.
- C, C++ logging API with RESTful API for Cloud storage.
- Windows and Linux development environments via PIKA's low and high level APIs



Technical Specifications

PCIe Bus Interface	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	
Slot requirements	PCIe 9.5" slot	
Dimensions (Metric)	241 mm L x 98 mm H	
Dimensions (Imperial)	9.5" L x 3.875" H	
Power consumption from 3.3V rail	2 W max	
Power consumption from LS Lines	North America 1.4 W European Union 2.0 W	
Environmental Requirements	Operating Temperature: 0 °C to +60 °C Storage Temperature: -20 °C to +85 °C Humidity, non-condensing: 5% to 95%	
Mean Time Between Failure (MTBF)	31 years	
Telephony Interfaces	4 - 16 high impedance analog tapping	
AC Impedance (in audio band)	On-hook metallic (tip to ring): >300 k ohms	
DC Resistance	Longitudinal (tip to ground, ring to ground)	>9.8 M ohms
	On-Hook Metallic (Tip to Ring)	>6.5 M ohms
Ring Detection	14 Vms @ 16 Hz 14 Vms @ 20 Hz 12 Vms @ 68 Hz	
Ringer Impedance (20 Hz)	> 26 K ohm	
Ringer Equivalence Number (REN)	0.1B	
Gain Tolerance (Linearity)	2 to 4 wire NA	0.0 to 0.8 dB (300-3400 Hz)

Common Mode Gain	-52.9 dBm0 avg
Signal to Noise Ratio (15 dBm, 1 KHz reference)	> 38 dB
Inter Hybrid (Interface) Crosstalk	No measureable crosstalk
Idle Channel Noise	6 dBnc
Transverse Balance	> 57 dB
Supervision	ON-HOOK supervision
Audio Detect	Caller ID, DTMF, Audio Logging

Note: All dimensions are approximate and do not include board faceplate and RJ-21 connector. Proper system cooling, which will vary based on system design, is required to maintain an acceptable operating temperature.

RoHS

All PIKA boards are RoHS compliant.

Warranty

PIKA provides a 1-year warranty on all boards.

About PIKA Technologies

Since 1987, PIKA Technologies has pioneered technology and products that enable global telephony, fax and communications solutions. PIKA's offerings include telephony appliances, board-level TDM products, mobile PBX, media gateways, end user applications, smart phone apps and custom telecom development services. Known for exceptional voice quality, reliability and renowned customer service, PIKA enables developers, system integrators and businesses worldwide to take full advantage of advanced communication solutions. This includes products that support innovation in legacy and emerging telephony models, as well as solutions that bridge the path from TDM to VoIP and services in the cloud.

Pika has customers in more than 35 countries and numerous product and technology awards to its name.

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