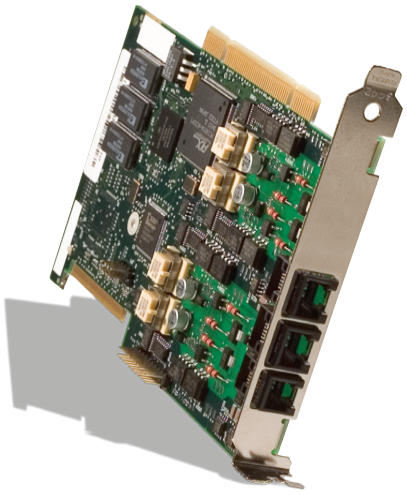
Low Density Analog Board (InLine MM) for Asterisk®

Datasheet

PIKA TECHNOLOGIES INC.



PIKA for Asterisk Low Density Analog Boards with DSP based echo cancellation plug-in to computer systems to connect your applications to both TDM and IP networks. They are a 4-port, half-length boards with a PCI interface that supports the new universal 3.3 volt power bus.

With 20 proven years experience in the board market, PIKA has evolved its TDM interface cards to fully integrate into an Asterisk Open Source PBX application and provides the most reliable choice for your Asterisk application.

Features & Benefits

- Single slot PCI card (PCI - x compatible)
- Software configurable as 4 loop start interfaces or 3 loop start plus one headset
- DSP based echo cancellation for superior quality
- 2 ports fax included at no additional cost
- Installation is as simple as downloading and installing the Pika channel driver for Asterisk and plugging in the boards!
- Pika provides no charge technical support to help you get your Asterisk application up and running

Technical Specifications

Functionality	Specifications
Analog line circuits	4 loop start
Host interface bus type	PCI (PCI - x compatible)
DSPs: On-board DSPs Chip Type Memory Clock Speed Instruction Speed	 1 Motorola 56303 (see note) 128 K 100 MHz 100 MIPs
Supported OS	Red Hat Enterprise 4 Fedora Core 4 SuSE 10 AstLinux

Host Interface

Loop Start Trunk Interfaces (CO Interface Circuit)	On-hook audio reception
DC resistance	North America: 360-140 ohms over 15-120 mA typical Euro version: 470-154 ohms over 14-130 mA typical
Network Interface	RJ14 connectors / RJ22 for headset/handset
Loop range	0-2000 ohms

AC impedance	600 ohms (North America) or complex (Euro version)
Supervision	loop current drop, battery reversal, ringing
Signaling	off-hook, flash, DTMF
Loop current range	North America: 15-120 mA Euro version: 14-130 mA
Compliance and Capabilities	FCC part 15 and FCC Part 68 Industry Canada CS-03 CSA C22.2 no. 950 NRTL/C TBR21 EU 55022:1998 Class B EU 55024:1998 EU 60950:1992 2002 / 95 / EC RoHS 6
DSP	Motorola 56303 DSP Software reset on per DSP basis
Media Capabilities	DTMF, tone, speech detection DTMF, tone generation Fax
Country Approvals	North America, European Union
Power Requirements	355 mA
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)	North America variant 47 years EURO variant 45 years

Warranty

Pika provides 3 year warranty on all boards

Product Support

Pika provides no charge support on all products. Visit http://www.pikatechnologies.com/contact/index.htm

About PIKA Technologies Inc.

PIKA Technologies' reliable media processing building blocks connect computer systems to TDM and IP networks. Brand name companies design groundbreaking IVR, call center, custom PC/IP PBX, fax and logging solutions using PIKA Technologies' components.

With two decades of experience in this industry, PIKA was one of the first media processing vendors to move voice processing onto the host, developing reliable algorithms for voice applications in shared environments. PIKA offers a single SDK across its entire product portfolio, and has earned a reputation for market-leading customer and technical support. Headquartered in Ottawa, ON, Canada, PIKA has ranked in The Branham300, an authoritative ranking of successful Canadian high tech firms, for five consecutive years.

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