

MPAC[®] 3240/45

Single lane, half-length PCIe form factor board offering 8 x E1/T1 ports with Gb Ethernet supporting RTP and CESoPSN

The MPAC 3240/45 PCIe card provides increased E1/T1 port density to the PCIe form factor, making it suitable for developing applications based on Fixed, Mobile and IP Network protocols. The half-length 8 E1/T1 port card is compact and powerful PCI express telephony board, which supports signalling, media and passive monitoring on the same board.

Leading chassis manufacturers are removing the legacy PCI slots from PC/server products and replacing them with higher capacity PCIe slots. This change in expansion bus architecture demands new form factor telephony boards to be developed. The MPAC 3240/45 PCIe is half the length and height of a standard PCI board, allowing the MPAC 3245 PCIe to be deployed in a wide selection of servers.

Supported by Telesoft's standards compliant TDAPI protocol stack software, offering a broad range of SS7, ISDN and IP based telephony APIs, the MPAC 3240/45 PCIe is suitable for deployment by system integrators, OEMs, TEMs and application developers.

The MPAC 3240/45 PCIe offers a broad range of feature support for signalling, media and monitoring applications as shown in the table on the reverse and incorporates additional FPGA capacity allowing it to support RTP or CESoPSN streaming to external applications. Providing a powerful solution for media processing and monitoring markets, which requires a cost effective, powerful and compact solution.



MPAC 3240 / 45 8 x E1 / T1 PCIe Card

Key Features

8 x E1/T1 plus Gb Ethernet	Signalling and media on the same cards
86 x Low Speed Links (64kb/s) (LSL)	High signalling link density for demanding applications
8 x High Speed Links (HDLC Format) (HSL)	Supports all TDAPI software APIs
Comprehensive signalling protocol support: MTP, ISUP, ISDN, TCAP, SCCP, MAP, INAP, WIN, CAP /CAMEL, IS41, BICC, SIGTRAN, and SMS APIs	Media feature support: DTMF, switching TDM and IP, conferencing and file play/record

Applications

Media gateways and 2G - 3G Gateways	Signalling gateways and protocol conversion
Mobile network nodes e.g. GMSC, SMSC, HLR, MSC/ VLR, EIR etc.	High density signalling
IVR and mail platforms	Monitoring systems: OSS, VAS, Lawful Intercept and Homeland Security

Capacity

	Signalling	Signalling Monitoring	Combined Media & Signalling	Combined Media & Signalling Monitoring
SS7 LSL (56/ 64kbit/s)	86	86	86	86
HSL (HDLC)	6	6	N/A	N/A
Q.921 Links	86	86	86	86
RTP/CES Streams	256 ¹	256 ¹	256 ¹	256 ¹
DTMF	N/A	N/A	256	256
Call Analysis	N/A	N/A	256	256
File Record/Play	N/A	N/A	256	256
Conferencing	N/A	N/A	256	256
SIO Filtering	N/A	Yes	N/A	Yes

Technical Specifications

Form Factor	PCI Express (PCIe)
Size	Low profile (half length and half height relative to standard PCI card)
E1/ T1 Ports	4 standard ports (4 simplex/2 duplex in monitoring mode)
Gb Ethernet	1 ¹
Operating System	Linux (Recommended: Centos/Redhat 5.5 or later) - 32bit
Management Alarms	Yes, management alarms supplied

¹Feature only supported on MPAC 3245

Order Options

Part Number	Description
500002171	MPAC 3240 - PCIe Cards with 8 x E1/T1
500002173	MPAC 3245 - PCIe Cards with 8 x E1/T1 & 1GbE

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