



# MPAC<sup>®</sup> 3250

**Single lane, low-profile PCI Express form factor board offering STM-1, 2 x E1/T1 and Gb Ethernet on a compact and efficient card**

The MPAC 3250 is an optical STM-1 low profile PCIe card designed to be deployed in COTS servers to consolidate existing rack space. In a 1U chassis it provides the means to deliver STM-1 with demultiplexing capability down to individual E1/T1 or timeslot level, if required.

The MPAC 3250 has STM-1 fibre connectivity together with two E1/T1 interfaces and a Gigabit Ethernet interface for converged IP networks providing feature support for signalling, media and monitoring applications as shown on the reverse. It supports both low and high speed links (HDLC) and RTP or CESoPSN streaming to external applications. Providing a solution for media processing and monitoring applications that require a cost effective, powerful and compact platform.

The MPAC 3250 is a platform to build telephony applications based on Fixed, Mobile and IP Network protocols and is supported by Telesoft's standards compliant TDAPI protocol

stack software that covers a range of SS7, ISDN and IP telephony APIs (as detailed on the reverse). The MPAC 3250 PCIe is suitable for system integrators, OEMs, TEMs and application developers.



MPAC 3250 STM-1 PCIe Card

## Key Features

1 x 1310nm optical STM-1	Signalling and media on the same card
2 x E1/T1 and 1 x Gb Ethernet	Very high signalling link density
Up to 86 low speed links (56Kbs/64Kbs)	Supports all TDAPI software APIs
Signalling protocol support: MTP, ISUP, ISDN, TCAP, SCCP, MAP, INAP, WIN, CAP /CAMEL, SIGTRAN, and SMS APIs	Media feature support: DTMF, switching TDM and IP, conferencing and file play/record

## Applications

STM-1 de/mux	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 platform
Monitoring systems: OSS, VAS, Lawful Intercept and Homeland Security	Stream raw E1 data to and from user application

## 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	1024	1024	1024	1024
DTMF	N/A	N/A	2000	86
Call Analysis	N/A	N/A	2000	86
File Record/Play	N/A	N/A	512	128
Conferencing	N/A	N/A	1024	1024

<sup>1</sup>Links capacity may differ when integrated with third party system

## Technical Specifications

<b>Form Factor</b>	PCI Express (PCIe)
<b>Size</b>	Low profile (half length and half height relative to standard PCI card)
<b>STM-1 / OC-3 port</b>	1 x 1310nm fibre port, configurable to STM-1 or OC-3
<b>E1/ T1 Ports</b>	2 standard ports (2 simplex/1 duplex in monitoring mode)
<b>Gb Ethernet</b>	1
<b>Operating System</b>	Linux (Recommended: Centos/Redhat 5.5 or later) - 32bit
<b>Management Alarms</b>	Yes, management alarms supplied
<b>TDM to IP (vice versa) streaming</b>	Yes

## Order Options

Part Number	Description
500002107	MPAC 3250 - PCIe Card with STM-1, 2 x E1/T1 and 1 x GbE

## Headquarters

Telesoft Technologies Ltd  
 Observatory House, Stour Park  
 Blandford DT11 9LQ UK  
 t. +44 (0)1258 480880  
 f. +44 (0)1258 486598  
 e. sales@telesoft-technologies.com

## Americas

Telesoft Technologies Inc  
 430 National Business Parkway  
 Suite 480, Annapolis Junction  
 MD 20701  
 USA  
 e. salesusa@telesoft-technologies.com

## Asia

Telesoft Technologies Ltd  
 Tapasya Corp Heights  
 Ground Floor, Sector 126  
 Noida, 201301, India  
 t. +91 120 612 7725  
 e. salesindia@telesoft-technologies.com