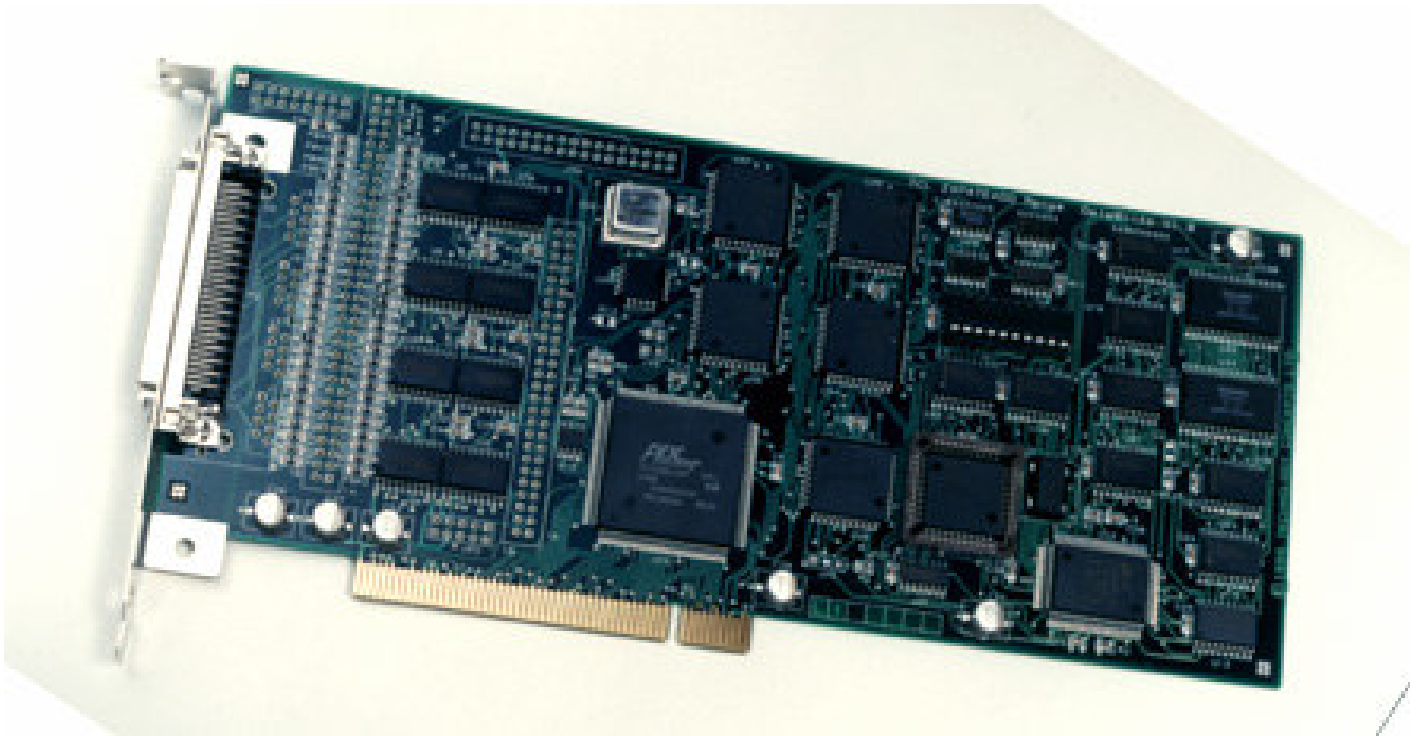




DataBlitz

Data Communication Subsystem
for systems with PCI-bus



DataBlitz is part of the new "ZAPATEADO" range of highly integrated, user friendly and exceptionally reliable, plug-and-play PCI communication adapters. DataBlitz is a generic name for a factory configurable two, four or eight port communication Front End Processor for PCs. It is a well-known fact that the maximum speed attainable by a system is directly related to the maximum speed their subsystems can deliver. Having the latest PC with an ultra fast processor does not guarantee high-speed data communication without having a fast communication subsystem. Buffered or non-intelligent communication adapters have their own place and under correct and exceptional conditions they can deliver high-speed data, but at a penalty.

To attain high-speed data communication using a non-intelligent adapter requires the main PC processor to act as a communication processor, in effect wasting the PC's processing power, which is needed by applications, particularly graphics. There is more to data communication than how fast data can be transmitted or received. Data integrity and throughput is a better indication of how well an adapter is performing. High-speed data transmission in short bursts, which is the hallmark of a non-intelligent adapter, usually results in a low overall throughput. High data throughput is only attainable when short data bursts are replaced by continuous high-speed data. This is only possible with

the aid of processor based communication adapters with adequate private memory for buffering data. DataBlitz, with it's own 40Mhz processor and one MByte of on-board private memory, processes communication data independent of the main PC processor.

The number of ports or speed of the communication has little effect on the main PC processor as DataBlitz performs all the tasks necessary without the PC processor intervention. The only time that the main PC processor is engaged is when the two processors exchange data. The one MByte of private memory on the DataBlitz acts as a data reservoir ensuring non-interrupted data transmission and reception. DataBlitz private memory sits above all of the PC's conventional memory and is accessible by both the PC and the DataBlitz processors. DataBlitz are recommended for use where additional ports are required on a PC, for data logging, connection of high-speed peripherals and inclusion of terminals or remote clients in thin client multi-user environments. DataBlitz installation into a PC is a simple matter due to their plug and play facility. DataBlitz are incorporated into the operating system by means of TCL supplied and maintained device drivers. TCL provides device drivers for most current operating systems, ensuring that your investment in TCL hardware is safe for years to come.

Features

User friendly Plug-and-Play, no need for any intervention by the installer.

Full surge protected modem support on all ports.

TCL designed, manufactured and supported product.

Manufactured to BS9002 standard in the UK using the latest CMOS surface mount components on a multi-layer PCB board.

Choice of interface option, RJ45, D-9 or D-25 connectors.

Factory option of RS422/485 ports.

Reliable and maintenance free.

Supplied ready to use, with free device drivers, diagnostic software and loop-back-plug.

Extensive support for all the major operating systems.

CE certified.

Benefits

12-month return-to-base warranty

Trouble free 'fit and forget it'

Generate little extra heat and uses minimum power

High speed data communication at an economical price

Does not put PC's power supply into overdrive, limiting it's life

Free device drivers

Web site available for up to date information and new releases of software

General Hardware Specification

Adapter Card:	CMOS surface mount components on a multi-layer card
BUS:	PCI complying with specification 2.1
Processor:	40 Mhz AM186EM
Memory:	1MByte of SRAM
Data framing:	5, 6, 7 8 and 9 bits
Stop Bits:	1, 1.5 and 2
Parity:	Odd, Even or None
Data Rate:	50bps - 460.8Kbps
Surge protected Control Signals	TX, RX, RTS, CTS, DTR, DSR and DCD
Connection:	V.24 /RS232 with factory option of RS422/485 DataBlitz 2 (RS232) 2 x RJ45 on the back plate, 2 way fan cable terminated with D-9 male DataBlitz 4 (RS232) 2 x RJ45 on the back plate, 4 way fan cable terminated with D-9 male DataBlitz 8 (RS232) 8 x RJ45, 4 on back plate, 4 on extra back plate, Termination Box with 8 x D-9 male. D-25 option is available on DataBlitz 4 and 8 ports RS422/485 models are supplied with D-9 female
Approval:	CE approved
Card Dimension:	Length=220mm, Height = 105mm
Card weight net:	140gms
Model Numbers:	DataBlitz 2 port with RJ45 Model 211 DataBlitz 2 port with fan cable Model 212 DataBlitz 2 port (RS422/485) with fan cable Model 212-4 DataBlitz 4 port with RJ45 Model 213 DataBlitz 4 port with fan cable Model 214 DataBlitz 4 port (RS422/485) with fan cable Model 214-4 DataBlitz 8 port with RJ45 Model 215 DataBlitz 8 port with connecting block Model 216 DataBlitz 8 port (RS422/485) with block Model 216-4
DataBlitz are supplied ready to use with an appropriate cable	



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