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Have a look at our Web Specials www.mastec.co.nz

ADAM LabVIEW Driver Set

You may or may not have seen ADAM modules. They are small DIN Rail mount, measurement & control modules that distributed on RS-485.

SWS has just released an RS-232/485 LabVIEW Windows driver set that cover all the Analog and Digital modules, including, millivolts, volts, +/-20mA(4-20mA), TCs, RTDs, Digital In and Out and Relays.

Now rapidly build LabVIEW programs that do distributed I/O, working at a functional level. It is easy easy!

The library set costs \$100NZ.



LabVIEW Training Next Year

MasTec has arranged with one of the universities in Auckland to co-host all the LabVIEW training courses next year. (More in January Newsletter)

MasTec and the Tertiary institution will market the courses throughout the South Pacific Region.

The courses are going to be held in a new purpose built high tech training room with new high spec computers.

There is also time for more private in house courses.

The courses will of course be National Instruments based courses, Basic I, II, Advanced, DAQ and next year we plan to offer Imaging courses.

So start planning now for your staff training and email MasTec with your needs. (65 new programmers in 2002)

Short Bits Latest Technical Info

Just to keep you all up to date, here are some of the bits we received from Manufacturers over the last month.

Advantech SBC: Advantech's new PCM-9578 is a Socket 370 SBC designed with customer needs in mind. With the ability to accept Celeron or PentiumIII/ 512K processors up to 1.26GHz, and supply 3 or 4 10/100 Mbps Ethernet ports, the PCM-9578 is right at home in any network environment.

Advantech MobiPanel: Cadmobi supplies mobile computing platforms equipped with CAD and GIS software to architectural, construction, and GIS professionals in both government and private sectors.

Advantech ARM RISC: Advantech is proud to announce that its ARM-based evaluation kits-PCM-7130 and PCM-7310-are available now. The Advantech evaluation kits help developers evaluate the feasibility of their projects, and also reduce the time required for development cycles. Various ARM-based processors, including the popular Intel StrongARM and Xscale, and optional embedded operating systems, including Windows CE .NET and Embedded Linux, are now ready to fulfill your needs.

Dataforth: Programmable Signal Conditioning — Essentially two schools of thought on conditioners:
1. Designed for a specific input and output requirement,
2. Programmable designed to condition various I/O's.
As you might assume, #1 provides the best performance since there are no compromises and the device can be optimized.

EAGLE: MicroDAQ is a USB family of data acquisition products designed to provide compact and high-density portable data acquisition with **Analog I/O, Digital I/O, Thermocouple, Analog Output and Opto-Isolated I/O.**

ELTROTEC: Optical Sensors commodity products
a) rectangular light barriers retro reflex, through beam polarised, proximity
b) M 12, M 18, light barriers retro reflex, through beam, polarised, proximity.

FREQUENCY DEVICES: Signal Processing Platform. Precision Real Time DSP Dual Channel per 2" X 2" module with: Anti-Alias Filters, ADC's, DSP Reconstruction Filters and DAC's, for applications to 20kHz THD performance to -100dB Includes: On-board JTAG, program address ports and LOTS OF MEMORY

OPTO 22: THREE PRODUCT GUIDES FOR SNAP. SNAP Component List, SNAP Selection Guide, and the SNAP Application Guide

SWS: Small World Systems ADAM Module Drivers Configure, Measure and Control with ADAM in LabVIEW.

**MasTec is looking for programmers to do LabVIEW and Z World Dynamic contract work!
Email your interest to projects@mastec.co.nz**

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Visit our Web Site at



Your One Stop for Technology

Quatech PCI announces Ethernet to RS-232/422 and 485 converter, hubs or servers

Quatech our latest supplier has just announced new products for 2003, Ethernet Servers

Quatech has allowed this market to mature before delivering product as many of the early released product from other sources were difficult to configure and run.

Quatech are saying their system is a few clicks to get running and the pricing is just right.

We are getting loads of enquiries about converting RS-232/422/485 equipment to Ethernet as it provides immediate access to high speed cabling, IT systems, and corporate information systems.

Are you building kiosks, check in systems with bar codes, cash registers, label printers, weigh scales and annunciator panels that are all **Serial** and you need connectivity, then ask for some info on these new products. It may revamp all the older technology back to modern systems and rejuvenate the sales and installations.

ISA slots Do you need them?

It appears that many sites still need ISA Slots.?

I was thinking that it would be investment in ISA DAQ and/or Control cards that was going to be a problem, but it turns out there is a lot of Comms and Telecoms systems also full of ISA boards that have life in them yet.

If Yes, do not fret, MasTec has heard the sobbing and nashing of teeth as you think about throwing them away.

How about a high spec ATX motherboard with a nice and very fast > 1GHZ CPU with 3 ISA slots and 3 PCI slots.

This is a difficult ATX board to find now, so this is special product for people who need ISA slots and can't get them any more. We can also build a complete PC for you.

SCADA software For less than \$1000NZ

MasTec Ltd in conjunction with Systems 22 of Australia are running a new Advert campaign in the What's New Magazines over the next 6 months.

If you are interested in using the latest OPTO 22 SCADA system next year, you will be surprised to find that the cost of the software is less than \$1000 dollars with runtime license less than \$200.

Now compare that with the other brands; and this software has OPC, XML, HTML, full flow chart programming, database connectivity, ethernet connectivity and a powerful scripting language also.

It works with the SNAP distributed I/O System on PCs or network controllers.

National Instruments Products and Services

If you are a user of **National Instruments** products, you should ask MasTec for quotes also.

We have been very busy this month quoting on all NI's products, training and doing consulting.

Just in case you are newcomers, MasTec is the home of knowledge for National Instruments applications.

We have used NI since 1979.

UPS Specials 4th Month

Same low prices

Just an update on the UPS Specials. This sale is for end users only, there are big savings to be made on UPSs. There are special prices on all PK UPSs.

**BOB 10E 600VA at most computer outlets \$465
Our low price is \$299**



PCI to PCMCIA Card reader

Quatech have just released their new Rear Entrance PCI card that accepts PCMCIA cards.

The 3.5" FDD bay front entrance has been available for several months, also the ISA version for several years.

Access technology available only to Laptops. Accepts Type I, II and III cards, memory, ATA Disk drives, modems and other I/O devices.

Quatech also make a large range of PCMCIA Comms and Data Acquisition modules.



New also a USB device that accepts Smart Media Cards and Flash and CompactFlash cards. These are mainly used in Digital cameras.

From all the staff at MasTec Ltd
We wish you all a lovely XMAS & Holiday Season, enjoy every minute, soak up the new season energy, enjoy the new fruits, have a super time with family and friends.
Thank you all for a great year 2002.

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