Product Description

UMAC

The UMAC (Universal Motion and Automation Controller) is a modular PMAC system built with a set of 3U-format Eurocards. The configuration of any UMAC system with the selection of the PMAC PCU or MACRO fiber optic interface and continues with the addition of the necessary axes boards, I/O boards, communication interfaces (USB, Ethernet, etc. and any other interface with virtually any kind of feedback sensor or to implement almost any kind of communication method with the host computer or external devices.

Accessory 72E FieldBus Gateway

The PMAC Gateway 3U board is organized as a motherboard/daughter board system. The motherboard contains the UBUS interface, diagnostics, and the fielbus connections. The daughter board contains the intelligence and the interface electronics required for each fieldbus and allows the UMAC to send and receive data through the supporter fieldbus protocol. There is a different daughter board for each fieldbus.

There are two connectors located on the front of the ACC-72E. For Profibus, DeviceNET, CANopen and ControlNET options a male DB9 connector is specified as the Diagnostic Connector and provides a RS232 link for SyCon software. The second connector is referred to as the fieldbus connector as it provides a means to become connected to the fieldbus link. The form factor of this connection is dependant on which fieldbus protocol is being utilized.

Fieldbus Networks Supported:
- ProfitBus Master/Slave
- DeviceNet Master/Slave
- CANopen Master/Slave
- ControlNET Slave
- CC-Link Slave

Accessory 5E MACRO Interface

ACC-5E connects the CPU board through the UBUS backplane expansion port. One of the uses of this accessory is to link a UMAC Turbo system to a UMAC MACRO system to control a large number of motors. For Example, in order to control a total of 32 axis and several I/O points, a UMAX Turbo system and a UMAC MACRO system are tied together in a fiber optic MACRO link.