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DELTA TAU
Data Systems Inc.

NEW IDEAS IN MOTION CONTROL...

POWER UMAC
Axis
Part Number: 3-4020xx-xxxx-xx00xx

ABOUT POWER UMAC



The Power UMAC is the 3U UMAC modular rack format controlled by Delta Tau's newest, flagship controller, the Power PMAC. Power UMAC can use the vast majority of the same accessories that Turbo UMAC can, but can also use three newer cards with highly advanced, flexible Gate3 technology: ACC-59E3, for 16 analog current or voltage inputs and 8 analog current or voltage outputs up to 16-bit resolution, ACC-5E3 for a new way of handling MACRO communication for controlling up to 16 motors per card over MACRO, and ACC-24E3, the newest axis interface card which can be used with a wide variety of encoder feedback protocols, as well as direct PWM, stepper (PFM), or 18-bit analog voltage output control signals.

FEATURES

Power UMAC Features

OPTIONS

ACCESSORY

CPU

- POWER UMAC CPU

Digital I/O Boards

- ACC-65E - 24 In / 24 Out Self-protected 12-24VDC I/O Board
- ACC-14E - 48-Bits Input/Output Board
- ACC-66E - 48 Inputs, Sourcing, Self-protected 12-24VDC I/O Board
- ACC-67E - 48 Outputs, Sourcing, Self-protected 12-24VDC I/O Board
- ACC-68E - UR Protected / OPTO (Sinking 24 in 24 out)
- ACC-14M -MACRO OPTO 48 bit Input/Output
- ACC-65M -MACRO UR Protected/OPTO (Sourcing 24in/24out)
- ACC-68M -MACRO UR Protected/OPTO (Sinking 24in/24out)
- ACC-11M - MACRO-based 24 input/24 output digital I/O card, 12–24 VDC levels
- ACC-65ETH -Modbus/TCP-IP UR Protected/OPTO(Sourcing 24in/24out)

Analog I/O

- ACC-28E - 2 or 4 Channel High Resolution 16-bit A/D Converter Board
- ACC-36E - 16 Channel, 12-Bit A/D Converter Board
- ACC-59E - 8 Channel, 12-Bit D/A and A/D Converter Board
- ACC-59E3 - 16 Input/8 Output, 16-bit Analog Voltage/Current I/O Card for Power PMAC

Special FieldBus Communication

- ACC-72E - UMAC Field Bus Gateway

Axis Interface Boards

- ACC-24E2 - 2 Axis Digital Direct PWM Axis Interface Board
- ACC-24E2A - 2 Axis Analog Servo Interface/Breakout Board
- ACC-24E2S - 4 Channel Encoder/Stepper Axis Interface Board
- ACC-24E3 - Gate3-Style, 2–4 channel axis interface card for Power PMAC
- ACC-82M - MACRO INTERFACE FOR SIGMA-II (YASKAWA)
- ACC-85M - MACRO axis interface for Yaskawa Sigma V amplifiers
- ACC-24M2A - MACRO-based, 2-channel analog axis interface
- ACC-24M2S - MACRO-based, 2-channel stepper (PFM) axis interface

Special Encoder Feedback

- ACC-51E - 2 Axis 4096x High-Resolution Analog Encoder Interpolator Board
- ACC-58E - 2 Channel 16-Bit Resolver-to-Digital Converter Board
- ACC-84E - UMAC Universal Serial Encoder Interface

MACRO

- ACC-5E - Macro and I/O Port Interface Board
- ACC-5E3 - Gate3-Style MACRO communication card for Power PMAC

Amplifier

- 3U081 - Direct PWM amplifier, 1 channel, 8 A Continuous/16 A Peak
- 3U151 - Direct PWM amplifier, 1 channel, 15 A Continuous/30 A Peak
- 3U201 - Direct PWM amplifier, 1 channel, 20 A Continuous/40 A Peak
- 3U042 - Direct PWM amplifier, 2 channels, 4 A Continuous/8 A Peak
- AMP-1 - Analog amplifier, 4 channels, 0.5 A Continuous/1 A Peak
- AMP-2 - Analog amplifier, 4 channels, 2 A Continuous/4 A Peak

- AMP-4 - Analog amplifier, 4 channels, 8 A Continuous/16 A Peak

Power Supply

- ACC-E1 - 115/230 VAC Input UMAC Power Supply
- ACC-F1 - 24 VDC Input UMAC Power Supply
- ACC-11M - MACRO-based 24 input/24 output digital I/O card, 12–24 VDC levels

SOFTWARE

Development Software

Power PMAC IDE

MANUALS

For Manual information please visit our Delta Tau Forum

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