

UMC4 Laser Marking Controller

Advanced USB-based Laser Marking Controller

Intro

UMC4 laser controller is a high performance USB interface card designed for laser marking system. For stand-alone marking function, it could store up to 16 files. Users are able to select files through I/O signals. It supports PLC human-machine interface to easily perform marking tasks. UMC4 is the phenomenal achievement in the world of laser marking.

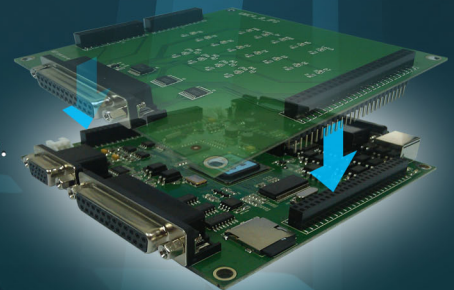


Feature

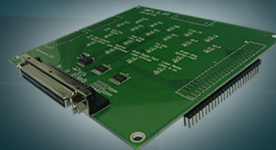
- Mark auto text content at stand-alone mode.
- Connect with Human-Machine Interface.
Easy connection with customized console supported by human-machine interface.
- Support storage up to 16 files in SD card.
- Connect with PC as general laser marking controller.

Spec

- Size: 120mm×117mm
- Power consumption: 5V 3A
- Built-in DSP, marking computing does not hold computer CPU time.
- Provide one XY2-100 digital output signal within 10MHz refreshing rate.
- FPK, PPK, R05 first pulse suppression mode.
- Two 10-bits analog control signal.
- PWM maximum output frequency: 10MHz; Minimum pulse width: 0.08μs.
- Support stand-alone marking. Storage up to 16 files, each contains up to 8 sets of auto-text and 8 types of font.
- RS232 serial port for human-machine interface communication. (Mitsubishi FX2)
- One encoder input for mark-on-fly application.
- Support 1-way pulse/direction or CW/CCW step/servo motor control signals, the maximum output frequency 2MHz.
- Provide extension port for various daughter boards.
- Support Windows XP/ Vista / 7 / 8 .



UMC4-B-SPI



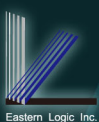
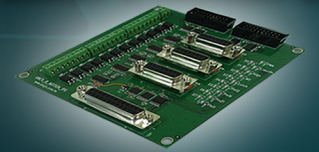
UMC4-B-IPG



UMC4-B-Motion-SPI



UMC4-B-Motion-IPG



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