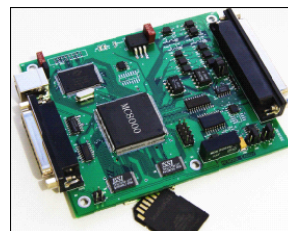


EARAIN --- MC8001 Card— the USB scanner controller

EARAIN'S MC8001 Card enables real-time control of scan system and lasers over a standard USB host interface. Customers can integrate a complete machinery easily over the MC8001Card due to its compactness and I/O capabilities. Fast response times and short execution cycle times make the MC8001 Card perfectly suitable for high performance applications. Farther more the MC8001 Card can load marking file via a removable MMC memory card .

USB 2.0 micro controller on board

- 128 KByte program and data memory
- 64 KByte SRAM for USB data buffering
- realtime calculation of laser and scanner signals
- online grid correction with 10  $\mu$ s cycle time
- MMC memory card interface



Laser control

- laser signals for YAG FIBER and CO2 laser types
- optocoupler TTL Level /10 mA output current
- 2 x 8-bit analog channels with 2.5, 5, 10 V output range
- 1 x 8-bit TTL output port

Scanner control

- X,Y channel
- XY2-100 digital interface

Response Times

- The card can response external trigger with in 12ms
- External trigger delay can be adjusted

I/O Port

- 6 Input Port
- 6 Output Port

Power

- +5V/1.5A or +12/0.6A