

softMC803

中型运动控制器

Mid-range Motion Controller

softMC803是高创运动控制器的又一力作，其采用Intel高性能4核处理器，响应速度快人一步；具有丰富的硬件接口和成熟稳定的CODESYS控制内核，符合IEC61131-3标准和PLCopen规范，支持主流通信协议，适用于包装、印刷、机器人、零部件检测、3C、光伏、半导体等多个行业。

The softMC803 motion controller is another masterpiece from SERVOTRONIX. It is powered by an INTEL high-performance quad-core processor and delivers superior response speed. Equipped with abundant hardware interfaces and a mature, stable CODESYS control kernel, it complies with IEC 61131-3 standards and PLCopen specifications, and supports mainstream communication protocols.

It is widely applicable to multiple industries including packaging, printing, robotics, component inspection, 3C manufacturing, photovoltaic and semiconductor.



型号 MC-E64-803-0105



稳定的实时Linux操作系统

Stable real-time Linux operating system



多个任务运行于不同内核，自动负载均衡

Multi-core task scheduling, automatic load balancing



本体自带32个I/O，支持掉电保存
32 integrated I/Os, data retention



G代码插补、机器人坐标转换、WebHMI
G-code Interpolation, Robot Coordinate Transformation, WebHMI



250us@4, 500us@8, 1ms@32, 2ms@64
EtherCAT伺服轴，兼顾规模与高精度

250us@4, 500us@8, 1ms@32, 2ms@64 EtherCAT
axes, balancing scale and high precision



点到点运动、速度同步、位置同步、电子
凸轮、电子齿轮、数控、机器人

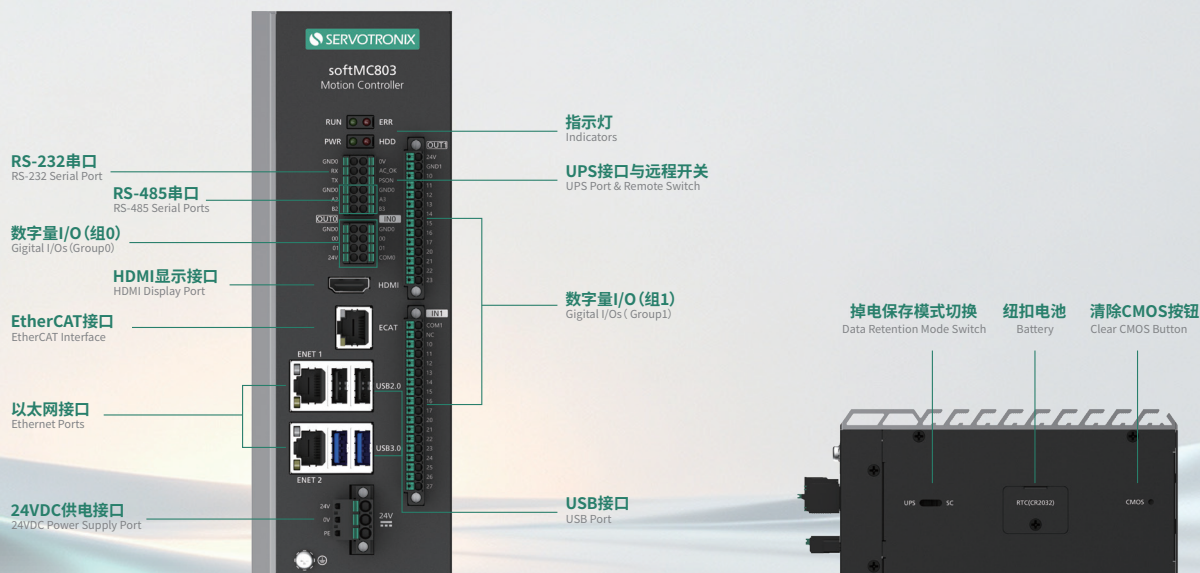
Point-to-Point Motion, Speed Synchronization, Position
Synchronization, E-Cam, E-Gear, CNC, Robotics

精于形，强于心

Elegant appearance, powerful performance

专注运控，值得托付

Focusing on motion control, your trusted partner



产品规格

Product Specifications

供电电源 Power Supply	24VDC
操作系统 Operating System	实时Linux Real-time Linux
控制内核 Control Kernel	CODESYS
中央处理器 CPU	Intel® 4核处理器, 2.0GHz主频 Intel® quad-core processor with a peak frequency of 2.0GHz
内存 RAM	4GB
储存 Storage	128GB
程序容量 Program Capacity	128MB
数据容量 Data Capacity	128MB
掉电保存容量 Data Retention Capacity	5MB
以太网 Ethernet	2 x RJ45, Intel千兆网卡, 支持UDP/TCP/IP, Modbus TCP, OPC-UA, PLCHandler通信 2 x RJ45 ports with Intel GbE chipsets, supporting UDP/TCP/IP, Modbus TCP, OPC-UA and PLCHandler communication protocols
EtherCAT	1 x RJ45, Intel千兆网卡, 标准EtherCAT主站 1 x RJ45 port with Intel GbE chipset, supporting standard EtherCAT master
运动控制 Motion Control	点对点运动、速度同步、位置同步、电子凸轮、电子齿轮、数控、机器人 Point-to-Point Motion, Speed Synchronization, Position Synchronization, E-Cam, E-Gear, CNC, Robotics
带轴能力 Axis Support Capacity	250us @4, 500us@8, 1ms@32, 2ms@64 EtherCAT轴 250us @4, 500us@8, 1ms@32, 2ms@64 EtherCAT Axes
本体I/O Integrated I/Os	18DI,NPN&PNP ; 14DO,NPN
串口 Serial Ports	2x RS-485 + 1x RS-232, 支持Modbus RTU协议和自由协议 2 x RS-485 + 1 x RS-232, supporting Modbus RTU protocol & free protocol
WebHMI	支持 Supported
UPS	支持 Supported
远程开关 Remote Switch	支持 Supported
USB	2 x USB3.0 + 2 x USB2.0
HDMI	分辨率:3840 x 2160, @30Hz Resolution:3840 x 2160, @30Hz
安装方式 Installation	DIN导轨/壁挂式 DIN-rail / Wall
工作温度/储存温度 Operating/Storage Temperature	(-20~55)°C/(-40~80)°C
相对湿度 Relative Humidity	95% (无凝结) 95% (non-condensing)
防护等级 IP Rating	IP 20
尺寸 Dimensions	74 mm x 210 mm x 150 mm (W x H x D), 不含支架 (bracket not included)
认证 Certification	CE

