

softMI

Human Machine Interface

The softMI is a touch screen graphic terminal that allows machine operators to control, monitor and collect data from automated industrial machines and servo motion systems controlled by softMC motion controllers.



The softMI serves as a simple and a user friendly operator panel for programming and controlling industrial machines. It includes HMISudio software for creating distinct operator interfaces for industrial processes and machine applications.

Connectivity

The softMI communicates directly with softMC 3 and softMC 7 motion controller by means of Modbus TCP/IP running on Ethernet.

Three high-speed serial ports allow simultaneous connection and communication with various controllers.

The softMI provides high capacity flash and SDRAM memory for storing user configurations, and a USB slave port for fast downloading of user configurations.

High Quality Graphics

The softMI features a bright, high resolution, 65536-color, LCD TFT touch screen. Three different panel sizes are available: 4.3", 7" and 10.1".

Full-Featured Software

The softMI is bundled with HMISudio programming software, a powerful and easy-to-use tool for designing colorful graphical operator interfaces, stocked with a full and customizable library of component objects.

The software supports various image formats (e.g., BMP, JPG, GIF) and all Windows fonts.

Machine Integration

The softMI design includes bracket mounting to enables easy integration into customer machine.

Key benefits

- Fully validated, maintained and supported by Servotronic.
- Compatible with softMC 3 and softMC 7 motion controllers, and common brands of PLCs and controllers.
- Bundled with intuitive graphic software for designing operator interface.
- IP65 rating for enclosure.
- Powered by industry-standard 24 VDC.

Paired with softMC Motion Controllers for the complete Control Solution



softMC 301



softMC 703

Technical Specification

Part Number	MI-E-04-401-0000	MI-E-07-401-0000	MI-E-10-401-0000
Display	4.3" TFT	7" TFT	10.1" TFT
Resolution (pixels)	480 x 272	800 x 480	1024 x 600
Color	65536 colors		
Brightness (cd/m ²)	250	250	200
Backlight	LED		
Touch panel acceleration	Touch panel		
LCD life (hours)	50,000		
Processor	32-bit 800 MHz RISC		
Memory	128M flash , 64M DDR2		
Expansion memory	None	support	support
RTC & recipe memory	RTC and 512 kb		
Printer port	Mini USB slave/serial port	USB host/slave/serial port	
Program download	Mini USB/Ethernet/serial port	USB/Ethernet/serial port	
COM ports	COM0: RS232/RS485/RS422, COM2: RS232		
Power supply	Isolated, built-in		
Rated power (W)	2.4	5.3	7.2
Rated voltage (VDC)	24		
Input range (VDC)	12 - 28		
Power down allowed (ms)	<3		
Insulation resistance	Greater than 50M ohm @500 VDC		
Dielectric strength test	500V AC 1 min		
Shell color	Black		
Shell material	ABS		
Dimensions (mm)	132 x 102 x 33	204 x 150 x 37	280 x 193 x 36
Cutout size (mm)	119 x 93	192 x 138	261 x 180
Weight (kg)	0.21	0.5	0.89
Operating temperature	0°C - 50°C		
Operating humidity	10% - 90% RH non-condensing		
Storage temperature	-10°C - 60°C		
Storage humidity	10% - 90% RH non-condensing		
Shockproof test	10% - 25 Hz (X,Y,Z direction, 2G/30 min)		
Cooling method	Natural air cooling		
Enclosure	IP65 (front panel)		
CE certification	EN61000-6-2:2005/EN61000-6-4:2007+A1:2011 standard		

Ordering Information

Description	Part Number
softMI 4, HMI 4.3" Ethernet TCP/IP Modbus	MI-E-04-401-0000
softMI 4, HMI 7" Ethernet TCP/IP Modbus	MI-E-07-401-0000
softMI 4, HMI 10.1" Ethernet TCP/IP Modbus	MI-E-10-401-0000

For over 15 years, softMC software algorithms have been successfully implemented in a variety of industrial applications, including robotics, machine tools, medical systems, and general automation. Servotronix provides complete motion solutions, from the motor to the motion controller. Contact us and find out how we can help you optimize your machine.

