



SPECTRUM
ELECTRONIC AND CONTROL SOLUTION

HP701224 HMI with Integrated PLC



FEATURES

- 256K Colors
- LCD Lifetime up to 50,000 Hours
- 800x480 Pixels
- 7.0" LCD Display Screen
- HMI and PLC are attached
- IP65 Protection Level on Front Panel
- 24 VDC Input Voltage
- Backlight LED
- 128MB Flash and 64MB DDR2 Memory
- Communication Ports : USB2.0, Rs485

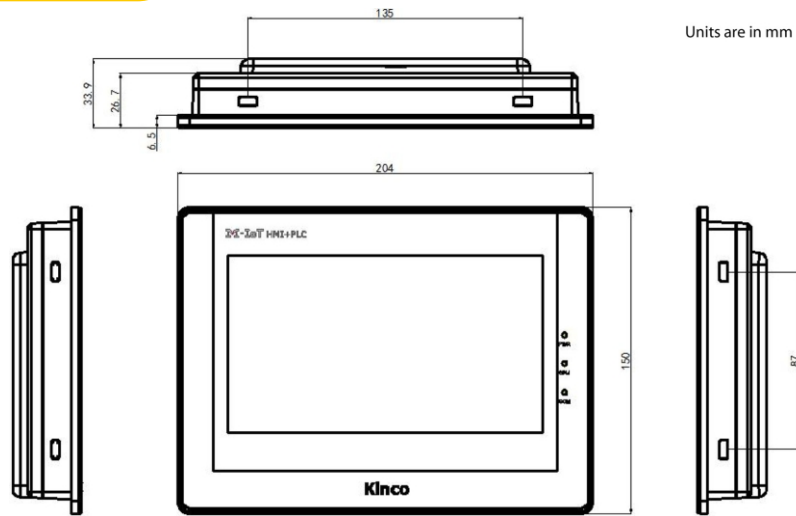
DESCRIPTION

The HP701224 HMI with integrated PLC provides a reliable system to help your application run smoothly and efficiently. This HMI/PLC combination features a 256K colour display mode that enhances your touch screen with rich colour and incomparable resolution. The IP65-rated front screen is protected against dust ingress and may be subjected to low-pressure water jets. On the backside, the PLC is directly attached and integrated into the same package with the HMI. The PLC provides special I/O functions, a USB2.0 (USB-B Connector) programming port, four high-speed counters, four high-speed outputs, two RS485 communication/serial port(s), model dependent, integrated digital input and output channels, and more. Built-in high-speed pulse outputs can reach a maximum frequency of 50 KHz. Spectrum software provides absolute and relative positioning, homing, jogging, and quick stop instructions for programming the PLC functions. With a quick and easy set-up, the HP701224 series is an intelligent choice for users who need the functionality of an HMI and PLC in one powerful, streamlined package.

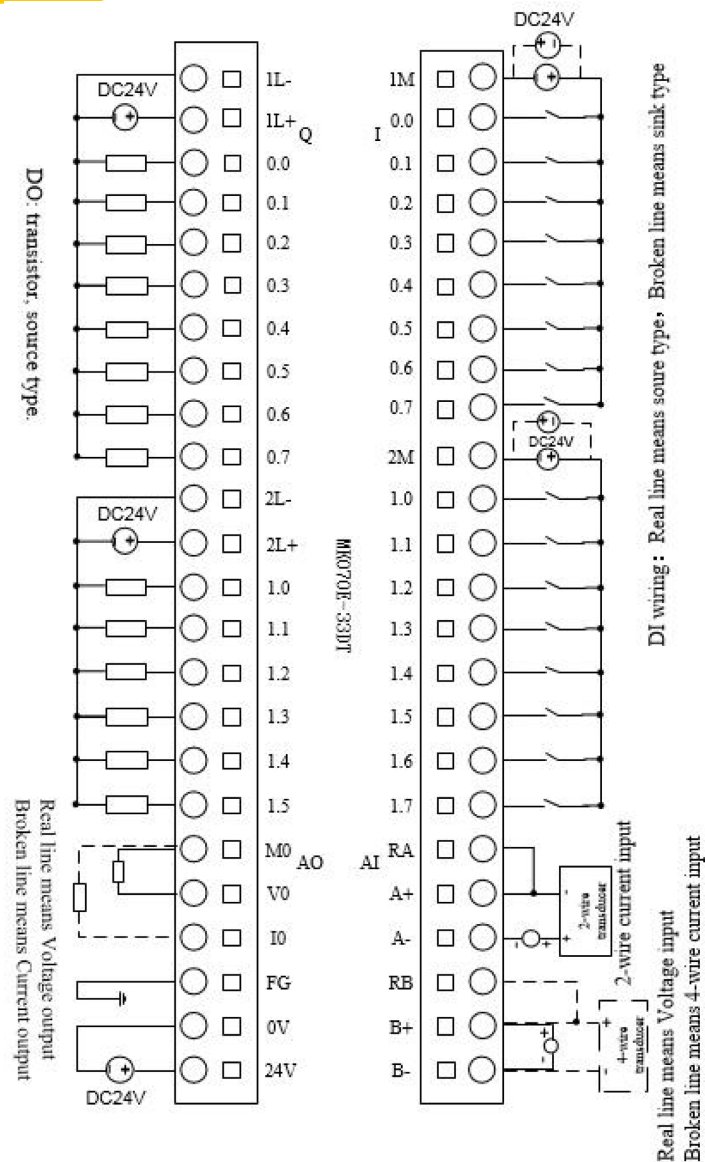
SPECIFICATION

Performance Specification		MK043E-20DT
Display		7.0" TFT
Resolution		800x480 Pixels
Colour		256K Colours
Backlight		LED
Brightness		250 cd/m ²
Backlight Life		50,000 Hrs
Touch Panel		4-Wire Precision Resistance Network
Processor		700 Mhz RISC
Memory		128MB Flash + 64MB Ddr2
Expandable Memory		1 USBHost
Recipe Memory &RTC		256KB + RTC
Program Download		1 USB Slave / USB Flash Disk
Serial / COM Port		2*RS485 PORT1, PORT2, max. 115.2kbps PORT 1 supports Spectrum programming protocol, MODBUS RTU master and slave protocol, free serial protocol. PORT 2 supports MODBUS RTU master and slave protocol, free serial protocol.
Built-in Digital Points		16*DI / 14*DO
Built-in Analog Points		2*AI, 1*AO (only support voltage and current type)
Expansion Modules		Support up to 8 KS Series Expansion Modules
Electrical Specification		
Rated Power		10W
Rated Voltage		24 VDC
Voltage Range		DC 20.4V - 28.8V
Structure Specification		
Dimensions(mm)		240 x 150 x 33.9
Cutout Size(mm)		192 x 138
Weight(lbs)		
Environment Specification		
Operating Temperature		0° ~ +50° C
Operating Humidity		10~90% non-Condensing
Storage Temperature		-10° ~ +60° C
Storage Humidity		10~90% non-Condensing
Cooling Method		Natural Air Cooling
Certification		
Degree of Protection		IP65 (Front Panel)

DIMENSIONS



WIRING DIAGRAM



RS485/CAN (in DB9)

	FUNCTION	PIN
Port 1	A	6
	B	1
Port 2	A	9
	B	4
CAN	CANH	7
	CANL	2
GND	GND	5

**SM ELECTRONICS**

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