



HP701224 HMI with Integrated PLC

7.0" LCD Display Screen



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 Font Panel
- 24 VDC Input Voltage
- Backlight LED
- 128MB Flash and 64MB DDR2 Memory
- Communication Ports : USB2.0, Rs485

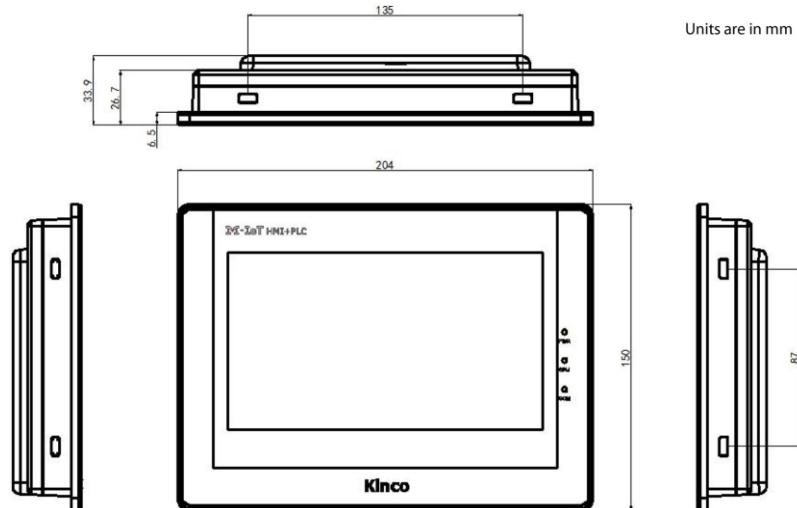
DESCRIPTION

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

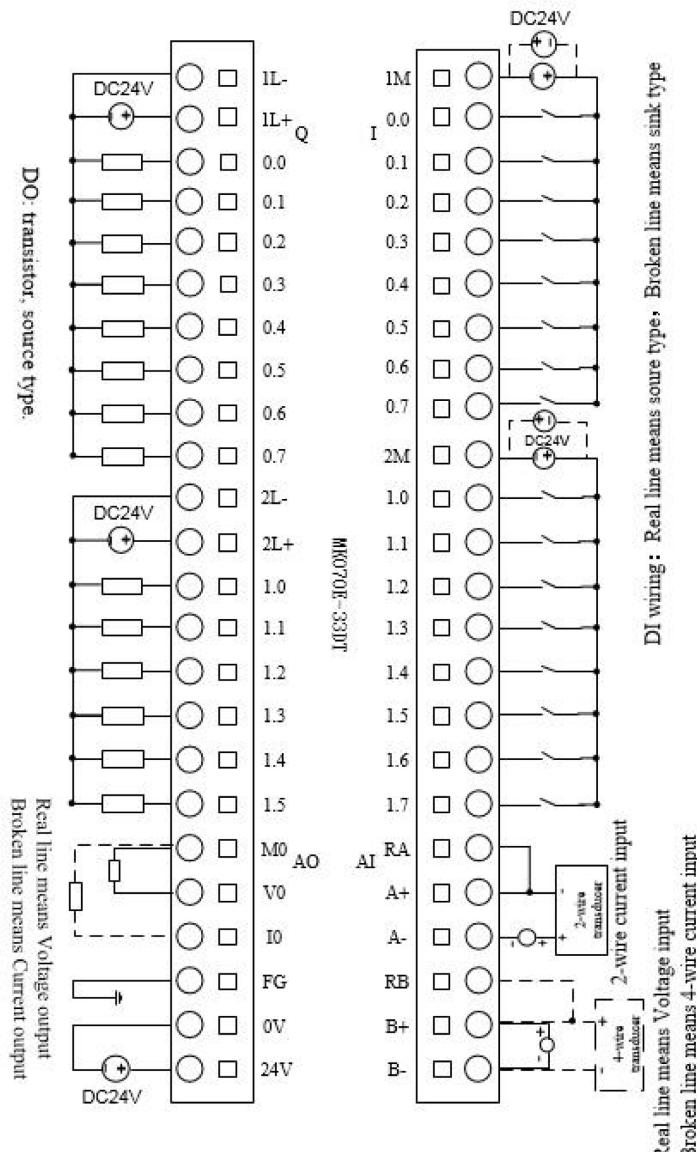
Performance Specification		MK043E-20DT
Display	7.0" TFT	
Resolution	800x480 Pixels	
Colour	256K Colours	
Backlight	LED	
Brightness	250 cd/m ²	
Backlight Life	50,000 Hrs	
Touch Panel	4-Wire Precision Resistance Network	
Processor	700 Mhz RISC	
Memory	128MB Flash + 64MB Ddr2	
Expandable Memory	1 USBHost	
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



Units are in mm

WIRING DIAGRAM



DI wiring: Real line means sure type, Broken line means sink type

transducer
Real line means Voltage input
Broken line means 4-wire current input

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



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