



TMK043 - TMK070E HMI-PLC



- HMI+PLC+I/O integrati
- Porta Ethernet 10/100 M integrata
- Teleassistenza integrata VPN EdgeAccess
- Possibilità di espandere gli I/O
- Protocollo VNC
- Porta **CANopen** master

Tutto integrato in un unico prodotto di nuova generazione che garantisce elevate prestazioni ad un prezzo competitivo.



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TMK043E-TMK070E

Display Specifications

Display Size	7"TFT	4.3"TFT
Resolution	800*480 pixels	480*272 pixels
Display Color	256K	
Brightness	250cd/m2	400cd/m2
Backlight Type	LED	
Touch Panel	4-wire precision resistor network	
Backlight Life	50000 hours	
Processor	700MHz RISC	
Serial port	None	1*RS232(COM2).Only TMK043-27DT supports
Ethernet	10M/100M self-adaptive port	10M/100M self-adaptive port
Storage	128MB Flash + 64MB DDR2	
Recipe storage	Internal real time clock + 256KB recipe	
Expandable Memory	1 USB Host	
Program Download	Network Port/1* USB Slave/USB Flash Disk	
Print Port	USB	
Software	Dtools + EdgeAccess + Miot	

PLC Specifications

Parameter	TMK070E-33DT	TMK070E-32DX	TMK043E-20DT
I/O and communication port			
Digital IO	DI 16*DC24V, DO 14*DC24V	DI16*DC24V, DO 4*DC24V+ 12*Relay	DI 9*DC24V, DO 9*DC24V
Analog IO	2 * AI, 1 * AO Both support 4-20mA/1-5V/0-20mA/ 0-10V signals	None	2 * AI Supports 1-5V / 0-10V signal
Expansion BD board	8 extension modules		
Program port	USB2.0 SLAVE		
CAN Communication port	1 Supports CANOpen motion control instructions	1 Supports CANOpen master station	1 Supports CAN free communication
Serial port	2* RS485: PORT 1, PORT 2. The highest communication rate reaches 115.2kbps PORT1 supports programming protocol, Modbus RTU master and slave, and free communication PORT2 supports Modbus RTU master and slave and free communication		
High-speed counter	4 Supports single-phase, double-phase UP/DOWN, and AB phase pulse input 4-channel maximum counting frequency: 50KHz		
High-speed output	4	2	4
	Q0.0 Q0.1 Q0.4: Up to 50KHz (Each channel requires load resistance not exceed 3KΩ, Q0.5: Up to 10KHz		
Edge interrupt	4, I0.0-I0.3 can be on/off interrupt.		
Memory area			
User programme	Maximum. 4K instructions supported		
User data memory	M area 1K bytes; V area 4K bytes		
Data back-up memory	E2PROM, Maximum. 448 bytes supported		
Retentive memory range	V area (1908 bytes) + C area (C0-C63) Lithium battery, 3-year lifetime at room temperature		
Others			
RTC	Built-in: Error less than 5 minutes/month at 25 °C		

TMK043E-TMK070E




PLC Specifications

Parameter	TMK070E-27DRT	TMK043E-20DTC	TMK043E-27DT
I/O and communication port			
Digital IO	DI 12*DC24V, DO 12* Relay	DI 9*DC24V, DO 9*DC24V	DI 10*DC24V, DIO 4*DC24V DO 10*DC24V
Analog IO	3 * RD Supports Pt100 type thermistors, Temperature measurement range -40 °C~240 °C	2 * TC Supports J/K/E/T type thermocouples	2 * AI, 1 * AO All support 4-20 mA / 1-5V / 0-20 mA / 0-10V signal
Expansion BD board	8 extension modules		
Program port	USB2.0 SLAVE		
CAN Communication port	1 Supports CAN free communication	1 Supports CAN free communication	1 Supports CAN free communication
Serial port	2* RS485: PORT 1, PORT 2. The highest communication rate reaches 115.2kbps PORT1 supports programming protocol, Modbus RTU master and slave, and free communication PORT2 supports Modbus RTU master and slave and free communication		
High-speed counter	4 Supports single-phase, double-phase UP/DOWN, and AB phase pulse input 4-channel maximum counting frequency: 50KHz		
High-speed output	4	2	
	Q0.0 Q0.1 Q0.4: Up to 50KHz (Each channel requires load resistance not exceed 3KΩ, Q0.5: Up to 10KHz		
Edge interrupt	4, I0.0-I0.3 can be on/off interrupt.		
Memory area			
User programme	Maximum. 4K instructions supported		
User data memory	M area 1K bytes; V area 4K bytes		
Data back-up memory	E2PROM, Maximum. 448 bytes supported		
Retentive memory range	V area (1908 bytes) + C area (C0-C63) Lithium battery, 3-year lifetime at room temperature		
Others			
RTC	Built-in: Error less than 5 minutes/month at 25 °C		

Expansion module

Expansion module							
Order no.	Description						
	Power supply	DI	DO	AI	AO	Communication port	Dimension (Unit:mm)
KS121-16DX	DC 24V	16	None	None	None	1*RS485, MODBUS slave	100*84.5*25.4
KS122-12XR		None	12*Relay				
KS122-14DT		None	14*Transistor				
KS123-14DR		8	6*Relay	4	2		
KS133-06IV		None	None				
KS131-04RD		4 thermal resistor input channel, PT100, PT1000, Cu50, R					



Dimension (Unit:mm)

