

TP Hardware Specifications

Model		TP02G-AS1	TP04G-AS2	TP08G-BT2	TP04G-AL-C	TP04G-AL2	TP04G-BL-C	TP04P-Series	
									
Display specifications	Screen type	STN-LCD							
	Display color	Monochrome							
	Resolution	160 x 32	128 x 64	240 x 128	192 x 64				
	Backlight	Life span of backlight is about 50,000 hours at 25°C							
	Display range	72 x 22mm	3" (67 x 32mm)	3.8" (83 x 41mm)	4.1" (101.8 x 35.24mm)				
Flash memory		256k bytes		1M bytes	256k bytes			1M bytes	
Program download port		COM1 (RS-232)							COM1(USB)
Serial COM port	COM1	RS-232	RS-232/422		RS-232	RS-232/422	RS-232	-	
	COM2	RS-485			-	RS-485	RS-485	RS-485	
	COM3	-			-	-	-	RS-485	
Extension interface		The slot for program copy card							
Real-time clock		-	Built-in						
Auxiliary keys	System keys	6	7	12	5		7		
	Function keys	10	5	12	5		10		
Operating voltage		DC +24V (-10%~+20%)							
Backup battery		3V lithium battery CR2032 x 1 / battery life: 5 years							
Buzzer		85dB							
Cooling method		Natural air circulation							
Operating temperature		0°C~50°C							
Storage temperature		-20°C~ +60°C							
Operating humidity		10%~90% RH (0~40°C)							
Vibration		IEC61131-2, IEC 68-2-6 (TEST Fc) 5Hz ≤ f < 8.4Hz Continuous: 3.5mm 8.4Hz ≤ f ≤ 150Hz Continuous: 1.0g							
Shock		IEC61131-2, IEC 68-2-27 (TEST Ea) 15g peak, 11ms duration, half-sine, three shocks in each direction per axis, on 3 mutually perpendicular axes (total of 18 shocks)							
Radiated emission		CISPR11, Class A Frequency: 30~230MHz, Limits: 40dB uV/m; Frequency: 230MHz~1GHz, Limits: 47dB uV/m							
Radiated electromagnetic field		EN61000-4-3, Frequency: 80~2000MHz, Limits: 10V/m							
Electrostatic discharge		EN61000-4-2, Air Discharge: 8KV, Contact Discharge: 4KV							
Fast transient burst		EN61000-4-4, Power Line: 1KV, Communication I/O: 500V							
Dimensions (Width (W) × Height (H) × Depth (D))		147 x 97 x 35.5		210 x 122 x 45	163.6 x 108.6 x 37		175.8× 108.8×37	175.8× 108.6×59.2	
Panel cutout		136 x 85		196 x 108	151 x 96		163×96	163×96	
Weight		240g		430g	268g	270g	292g	500g	
Safety approvals (Waterproof class of front panel)		IP65/NEMA4 & CE, UL Type 4 indoor			IP65/NEMA4 & CE, UL				

Ordering Information

Communication Converter

Product name	Description	Model name	Certificates
Converter	USB to RS-485 converter	IFD6500	 
	USB to CAN converter	IFD6503	
	USB to RS-485 converter	IFD6530	
	MODBUS TCP to RS-232/485 converter	IFD9506	
	EtherNet/IP to RS-232/485 converter	IFD9507	
	DeviceNet to RS-232/485 converter	IFD9502	
	CANopen to RS-232/485 converter	IFD9503	
	RS-232 to RS-422/485 isolated converter	IFD8500	
	RS-485 to RS-422 isolated repeater	IFD8510	
	RS-422/485 to RS-232 addressable isolated converter	IFD8520	

PM Series

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates	
General purpose motion controller	100~240VAC	Differential	16	16	DVP10PM00M	 	
		(Built-in 4-axis of independent 1MHz pulse output)					
Professional motion controller	100~240VAC	Differential	8	8	DVP20PM00DT		
		(Built-in 2-axis of independent 500kHz pulse output)			DVP20PM00D		
		(Built-in 3-axis of independent 500kHz pulse output)			DVP20PM00M		
PM series extension module		Description			Model name		
DVP-PM Communication card		Ethernet/CANopen communication card			DVP-FPMC		
DVP-PM Memory card		Data backup memory card (64k words)			PM-PCC01		
Execution time of basic instructions	0.13μs		Execution time of MOV instruction		3.74μs		

MC Series

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
Network type motion controller	24VDC	CANopen DS402	8	4	DVP10MC11T	 

TP Series

Product name	Description							Model name	Certificates
TP02	Resolution: 160 x 32, Serial COM ports: RS-232 & RS-485							TP02G-AS1	 
TP04	Resolution: 128 x 64, Serial COM ports: RS-232 & RS-422/RS-485							TP04G-AS2	
	Resolution: 192 x 64, Serial COM ports: RS-232 & RS-422/RS-485							TP04G-AL2	
	Resolution: 192 x 64, Serial COM ports: RS-232							TP04G-AL-C	
	Resolution: 192 x 64, Serial COM ports: RS-232 & RS-422/RS-485, 0~9 numeric keys available							TP04G-BL-C	
TP04P	Resolution: 192 x 64, Serial COM ports: USB & RS-485	8DI	8DO	-	-	Relay	TP04P-16TP1R	 	
		8DI	16DO	-	-	Relay	TP04P-32TP1R		
		8DI	8DO	4AI	2AO	Relay	TP04P-22XAIR		
		8DI	8DO	2AI	1AO	Relay	TP04P-21EX1R		
TP08	Resolution: 240 x 128, Serial COM ports: RS-232 & RS-422/RS-485,0~9 numeric keys available							TP08G-BT2	