













EX2N HMI/PLC All-in-one

Basic version	EX2N-43H	EX2N-43KH/50KH	EX2N-70H	EX2N-100HA	MX2N-43HB
Upgrade version	EX2N-43HA	EX2N-43KHA/50KHA	EX2N-70HA(S)		
Image					
					
Dimension	134*102*30mm	150*93*32mm	212*148*40mm	275*194*36mm	134*102*30mm
Cutout size	119*93mm	143*86mm	194*138mm	261*180mm	119*93mm
HMI					
Features	60K colors RTP, support U disk storage, WINCE system, RS485/RS232/Ethernet port/Audio optional				60K colors RTP
Display size	97*56mm	97*56/108*65mm	154*87mm	222*133mm	97*56mm
Resolution(pixels)	480*272	43KH: 480*272 50KH: 800*480	H/HAS: 800*480 HA: 1024*600	1024*600	480*272
RAM	H series with 64MB, HA(S) series with 128MB				32MB
ROM	128MB				
Operating system	HA/KHA/HAS:WINCE 7.0 version; H/KH:WINCE 5.0 version				Without operating system
CPU	H series with ARM9 core 640MHz HA(S) series CORTEX A8 720MHz-1GHz				ARM9 core 216MHz
COM port	1 TP download port,1 USB port				
	1 RS232 optional		1 RS485 or RS232 or Ethernet port optional		1 RS485 Or 1 RS232 optional
Programming software	<i>HMI programming software</i>				
PLC					
Digital I/O	Up to 12DI/12DO		Up to 24DI/20DO (At most 18 relay output)		Up to 12DI/12DO
I/O level	Low level NPN,COM connect negative				
Digital output type	Relay MR/transistor MT/mixed MRT; Maximum load of transistor is 500mA; Maximum load of relay is 5A				MOS tube MT/Relay MR, Maximum load of MOS tube is 2A; Maximum load of relay is 5A
High-speed counting	Normally 2 single counting (X0/X3) or 2 AB phase counting (X0-X1/X3-X4) 10KHz EX2N series can be customized up to 6 single-phase counts(4 100KHz、 2 10KHz) Or 3 AB phase counts (2 100KHz、 1 10KHz) or 3 ABZ counts (1 100KHz 、 2 5-10KHz); MX2N-43HB can be customized up to 6 single-phase counting (4 channels 60KHz, 2 channels 10KHz) or 2 AB phase counts (2 channels 60KHz)				
High speed pulse	Normally 4 20KHz, Y0/Y1/Y6/Y7				Normally 420KHz,Y0-Y3
	4 200KHz can be customized		5 200KHz can be customized, the 5th is Y10		2 200KHz or 2 100KHz can be customized
Analog I/O	AI:0-10V/4-20mA/0-20mA/PT100/PT1000/EKSJthermocouple/NTC10K/NTC50K/NTC100K etc.				AI: 0-5V/0-10V/0-20mA/NTC10K/NTC50K/EKJ Note: 1 NTC10K or NTC50K or EKJ takes up the position of two AD points, up to two; voltage and current types up to four
	AO:0-10V/0-5V/0-20mA or mixed				
	Up to 4AI/2AO		Up to 12AI/8AO		Up to 16AI/8AO
COM port	1 RS232				Up to 4AI/2AO
	1 RS485 optional		1 RS232 or 1 RS485 optional		Null
Programming software	Compatible with Mitsubishi GX8.52 and WORKS 2				
Regular models: EX2N-43H(A)/43KH(A)/50KH(A)-10/16/20/24MT/MR(-4AD2DA-485P/232H) EX2N-70H(A/AS)-10/16/20/24/30/32/38/40/44 MT/MR/MRT(-12AD8DA-485P/232H) EX2N-100HA-10/16/20/24/30/32/38/40/44 MT/MR/MRT(-12AD8DA-485P/232H) MX2N-43HB-10/16/20/24 MT/MR(-4AD2DA-232H) 485P/232 P means PLC added in 485/232; 485H/232H means 485/232 added in HMI					