









## EX3G HMI/PLC All-in-one

Article	EX3G-43HA/HB	EX3G-43(50) KH/KHA	EX3G-70KHA EX3G-70KHAS	EX3G-100HA
Image				
				
Dimension	134*102*30mm	150*93*32mm	226*163*35.6mm	275*194*36mm
Cutout size	119*93mm	143*86mm	218*153mm	261*180mm
Power Consumption	4-6W	4-6W/5-7W	6-7W	6-8W
<b>HMI</b>				
Features	60K colors TP			
Display size	97*56mm	97*56/108*65mm	154*87mm	222*133mm
Resolution (pixels)	480*272	43KH/43KHA: 480*272 50KH/50KHA: 800*480	70KHA:1024*600 70KHAS:800*480	1024*600
RAM	HA/KHA:64MB;HB:32MB		HA/KHA/KHAS: 128MB	
ROM	128MB			
Operation system	KH:WINCE 5.0; HA/KHA:WINCE 7.0 ; HB: without OS			
CPU	HA/KHA:CORTEX A8 720MHz-1GHz; KH:ARM9 400MHz ; HB: ARM9 216MHz		HA/KHA/KHAS:CORTEX A8 720MHz-1GHz	
COM port	1 TP download port,1 USB port			
	1 RS232 optional		1 RS485 or RS232 optional, Ethernet port can be customized for 70KHA/70KHAS/100HA (can't coexist PLC)	
Software	<i>HMI programming software</i>			
<b>PLC</b>				
Digital I/O	Up to12DI/12DO		Up to 30DI/30DO(At most 28 relay outputs)	
I/O level	MT Output: NPN MR output: NO contact		Input: Passive NPN, public terminal isolated	
Output type	MR/MOS Maximum load: MOS is 2A; MR is 5A		MR/MT/MRT Maximum load: MT is 500mA; MR is 5A	
High-speed counting	6 single phase 60KHz or 2 AB(Z) phase 60KHz +1 10KHz			
High-speed pulse	Normally 8channels,Y0-Y3 is 100KHz, Y4-Y7 is 10KHz; High speed counting and high speed pulse total can not exceed 480KHz.			
Analog I/O	AI: 0-10V/4-20mA/0-20mA/PT100/K type thermocouple/NTC10K/50K/100K etc.			
	AO: 0-10V/0-5V/0-20mA/4-20mA or mixed			
	At most 4AD/2DA		At most 16AD/8DA	
COM port	2 programming ports ( 1 MiniB type USB port, faster downloading speed; 1 Rs232 port )			
	2 RS485 optional		1 Rs485 or 2 Rs485(When two Rs485 are optional, one of the Rs485 is changed from the default Rs232), Optional CAN port, Ethernet port (can not coexist with HMI Ethernet port), optional WIFI (will occupy the default Rs232)	
Software	Compatible with Mitsubishi <a href="#">GX Developer8.86</a> and <a href="#">WORKS 2</a>			
Regular models:EX3G-43HB/43KHB/50KHB-24MT/MR(-4AD2DA-485P/232H) EX3G-70KHA(KHB)/100HA-44MT/MR/MRT(-16AD8DA-485P/232H) EX3G-70KHA(KHB)/100HA-60MT/MR/MRT(-5AD2DA-485P/232H) 485P/232P means 485/232 added in PLC; 485H/232H means 485/232 added in HMI *EX3G-70KHA(KHB)/100HA: If with 30DI/30DO, the maximum analogs are 5AD/2DA; If with 24DI/20DO, the maximum analogs are 16AD/8DA; Support interrupt, linear arc interpolation, PID auto-tuning; 32K step program capacity, 32K power-fail holding register				