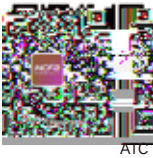


进阶交流伺服驱动样本



PROFI[®]
NET

CANopen



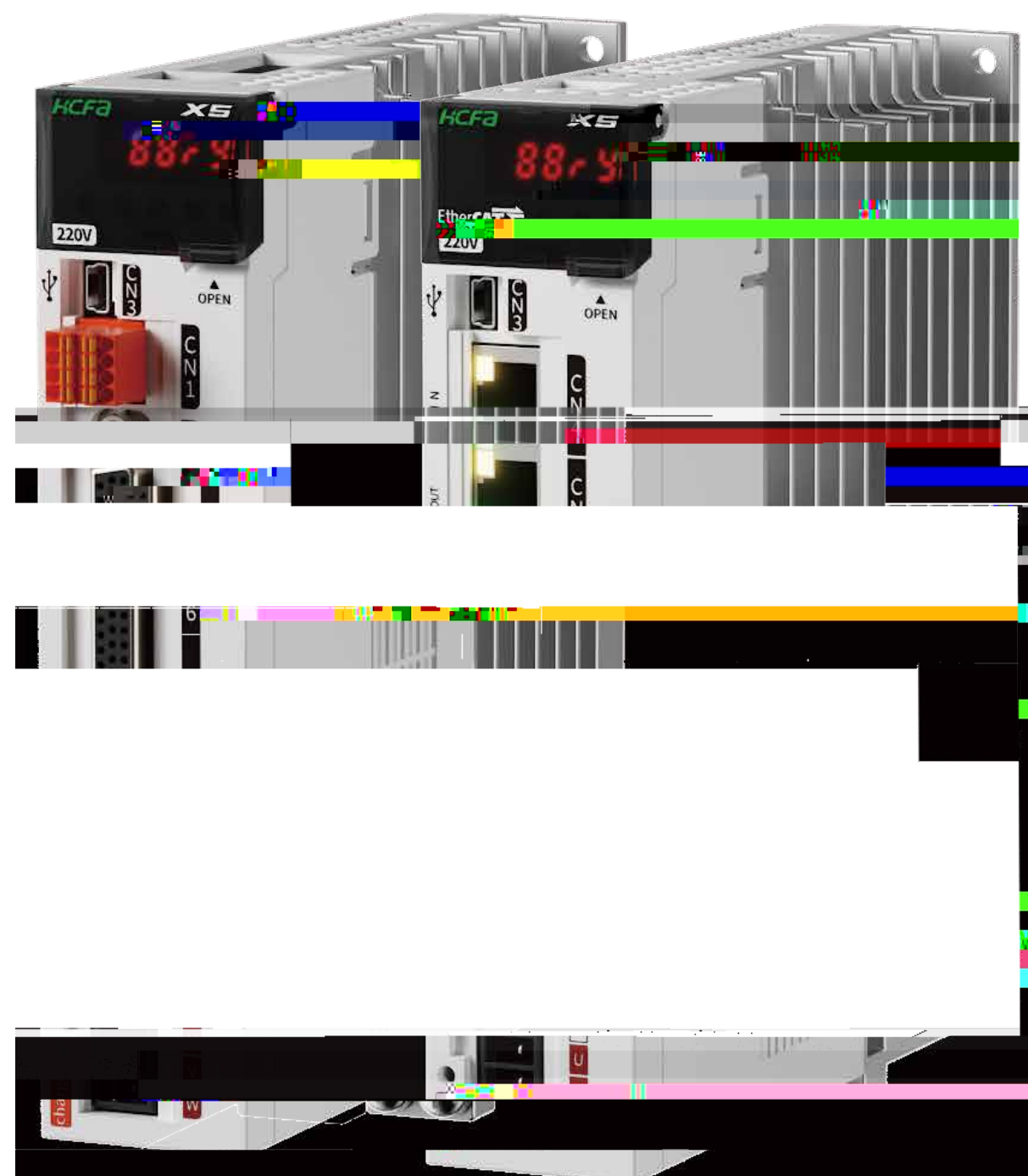
5
Headquarters: No. 5, Goodwill Road, Longyou Industrial Park, Quzhou City, Zhejiang Province
299
Hangzhou R & D Center: No. 299 Lixin Road, Qingshanhu Street, Hangzhou City, Zhejiang Province

2026 3

EtherCAT®



X5-SERVO



手机应用开发

x5

!

安全可靠!

DB(Dynam

STO(Sa

丰富的 运动控制总线

采用核心自研芯片，除主流的 EtherCAT 通讯方式外，X5 进阶型伺服系统还支持 CANOPEN、PROFINET 通讯，可以与各种控制系统灵活搭配。



ETHERCAT

PROFINET

CANopen

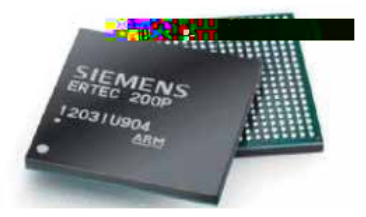
X5 FR PROFINET 总线伺服

满足市场对 **PROFINET** 总线生态的产品需求

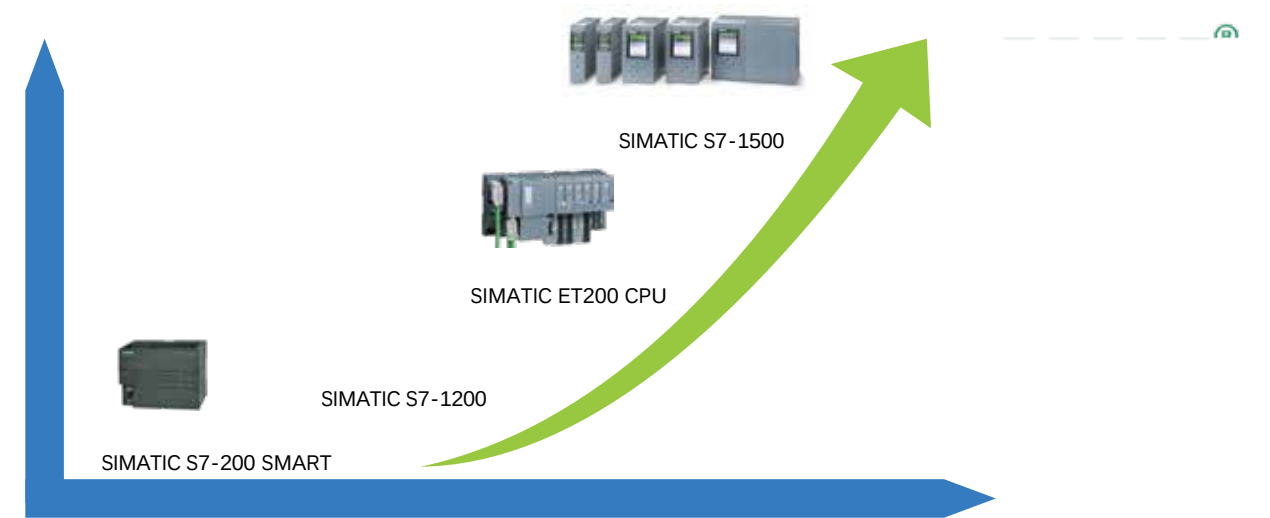


ERTEC200P

23BIT



	1	2	3	5	7	9	102	105	110	111	750
	√		√	√	√	√	√	√		√	√



PROFIDRIVE

Simotion X5PN S7-200 Smart S7-1200 S7-1500
PN PLC

500us

传输距离
100 米

实时通讯
RT

等时通讯
IRT

同步周期
500 μ s



间早勿用

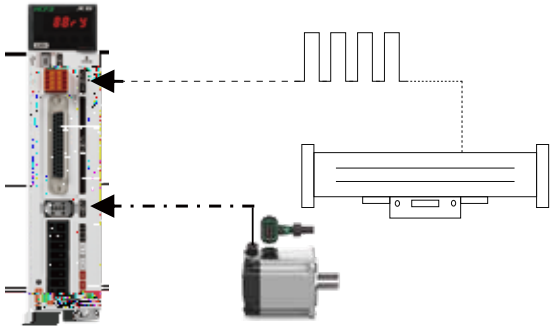
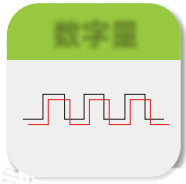
P21.11

P00.03 0~31

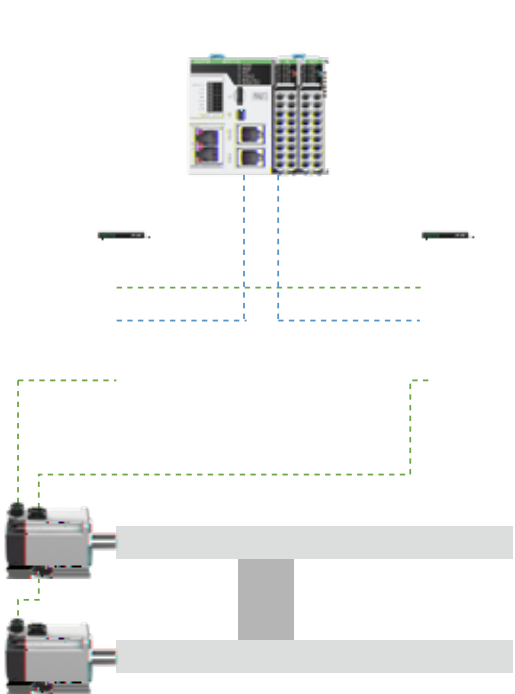
P02.02



FA



FA



	5V	
	GND	
CN1	A+	5M 4
	A-	
	B+	
	B-	
	PE	



优化设计





		0~55
		-20~65
		20~80%RH
		20~80%RH
		1000m1000m
		5.8m/s20.6G10~60Hz用
		-FGAC1500V1



				FTřŁ0< Ê		<ĖŽ¢ŦŁŽ	¼Ė¢Xa{ FÊ
		X	F	X;	F;	F{	XĖ
	CN1	✓	-	-	-	-	-
	CN2 STO	✓	-	✓	-	-	✓
	CN4/CN5	RS485	RS485	EtherCAT	EtherCAT	RS485/CANopen	PROFINET
	CN6 I/O	44pin	44pin	15pin	15pin	44pin	15pin
	PC	USB/RS485	USB/RS485	USB	USB	USB	USB
	I/O	8DI/5DO	8DI/5DO	5DI/3DO	5DI/3DO	8DI/5DO	5DI/3DO
		2AI	2AI	-	-	-	-
		-	-	-	-	-	-
		✓	✓			✓	-
		✓	✓	✓	✓	✓	✓
		✓	-	-	-	-	-
		FA-GS	-	-	-	-	-
		✓	✓	-	-	✓	-

		SVPWM
		9 / / CANOpen / EtherCAT PROFINET
		4100Hz-5000Hz
	/	SV-X5,[HCS-Studio]
		2DC24V1DC24VFA/FB/FN/FR
		17bit/23bit
		ABZ

			8DC24V ON 3124
			5DC24V
			4MHz200kHz125ns2.5us
			22(NPNPNP)
			ABCWCCW
			A/B A:11073741824 B:11073741824 /10000000 < A/B < /2.5
			FIR
			A B RS-422 Z RS-42224V FA/EA/FB-CO/EB-CO/EN
			131071
			8DC24V ON 1234
			5DC24V
			-10V +10V ±10V
			12P03.09 P03.10 2P03.11 P03.12 DI P_CL N_CL 3 2-TLMTP AI1 AI2 4 3-TLMTP TLMTN AI1 AI2
			12TFFD AI1 AI2
			DI0~16
			2±10V

■ AC220V

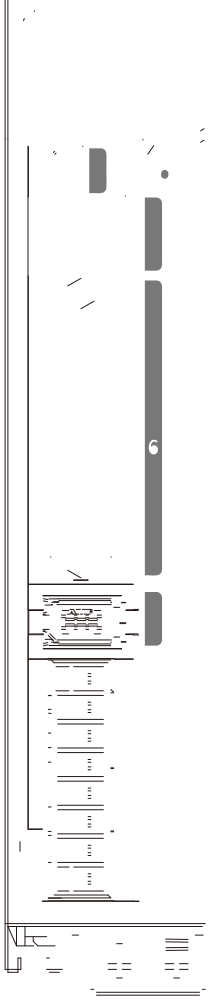
q è		EtherCAT	CANopen	PROFINET		
0.1	SV-X5□A010A-A0-00	SV-X5□B010A-A0-00	SV-X5EN010A-A0-00	SV-X5FR010A-A0-00	AC220V	
0.4	SV-X5□A040A-A0-00	SV-X5□B040A-A0-00	SV-X5EN040A-A0-00	SV-X5FR040A-A0-00		
0.75	SV-X5□A075A-A0-00	SV-X5□B075A-A0-00	SV-X5EN075A-A0-00	SV-X5FR075A-A0-00		
1	SV-X5□A100A-A0-00	SV-X5□B100A-A0-00	SV-X5EN100A-A0-00	SV-X5FR100A-A0-00		
1.5	SV-X5□A150A-A0-00	SV-X5□B150A-A0-00	SV-X5EN150A-A0-00	SV-X5FR150A-A0-00	AC220V	AC220V
2	SV-X5□A200A-A0-00	SV-X5□B200A-A0-00	SV-X5EN200A-A0-00	SV-X5FR200A-A0-00		
2.5	SV-X5□A250A-A0-00	SV-X5□B250A-A0-00	SV-X5EN250A-A0-00	SV-X5FR250A-A0-00		

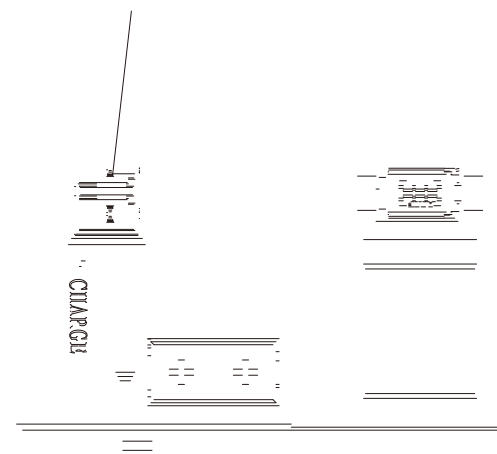
□ E F

■ AC380V

q è		EtherCAT	CANopen	PROFINET		
2	SV-X5□A200T-A0-00	SV-X5□B200T-A0-00	SV-X5EN200T-A0-00	SV-X5FR200T-A0-00	AC380V	AC380V
3	SV-X5□A300T-A0-00	SV-X5□B300T-A0-00	SV-X5EN300T-A0-00	SV-X5FR300T-A0-00		
5	SV-X5□A500T-A0-00	SV-X5□B500T-A0-00	SV-X5EN500T-A0-00	SV-X5FR500T-A0-00		
7.5	SV-X5□A750T-A0-00	SV-X5□B750T-A0-00	SV-X5EN750T-A0-00	SV-X5FR750T-A0-00		

□ E F



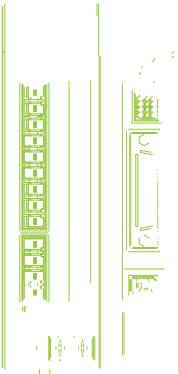


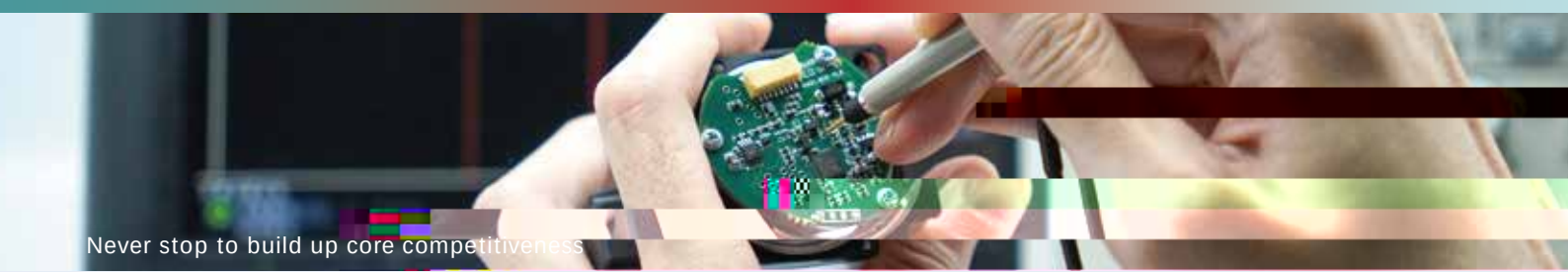
AC380V

AC380V

5

ø è ù ı gŽ Ž ù ı qY





Never stop to build up core competitiveness

3

- ASIC SOC
- AMR /