HCFA

创新　　服务　信

HCFA

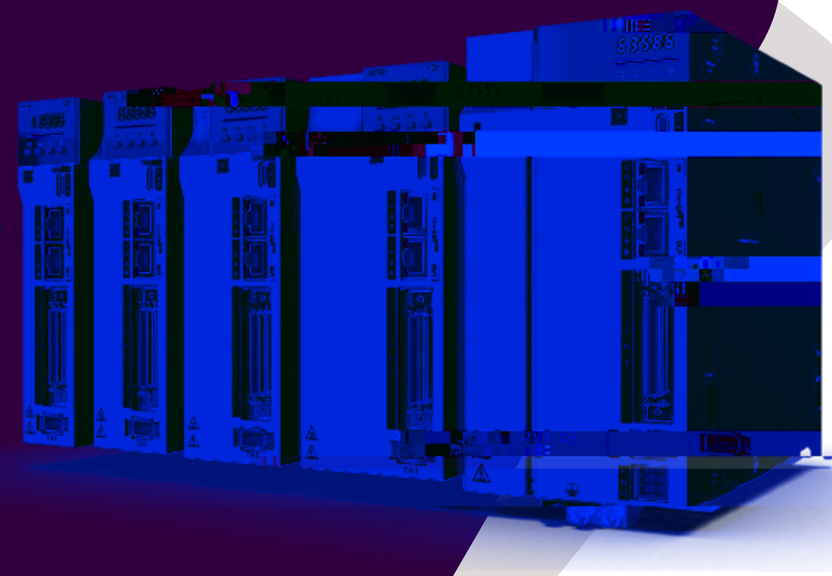
ATC

0　32 2　6

EtherCAT®　　MECHATROLINK®　MECHATROLINK

Y7 Smart-SERVO

高阶交流伺服系统



EtherCAT

HCFA

禾川科技

5

Smar

Strong

Super

“ ”

Safety

Satisfed

HN-Y7

Y7

Smart 灵活!

HN-Y7 E A 300 T - S - XXX

1 2 3 4 5 6

1	
N	
E	
F	

2	
A	
B	EtherCAT

3				
0 0		00W		
0 0	2	00W	2	
4 0 0	4	00W		
0	7	50W	7	5
00		kW		
0		5kW		5
00	2	kW	2	
00	3	10W	3	
00	5	10W		5
00	6	10W	6	
0	7	5kW	7	5
		kW		
		5kW		5
	22	kW	22	

4	
A	AC V0 22
T	AC V0 83

5	
S	Smar

1 . 1

6	
U	UL 1

1:UL . EtherCAT

.

EtherCAT [-S-U]

UL111 11

1 1 1

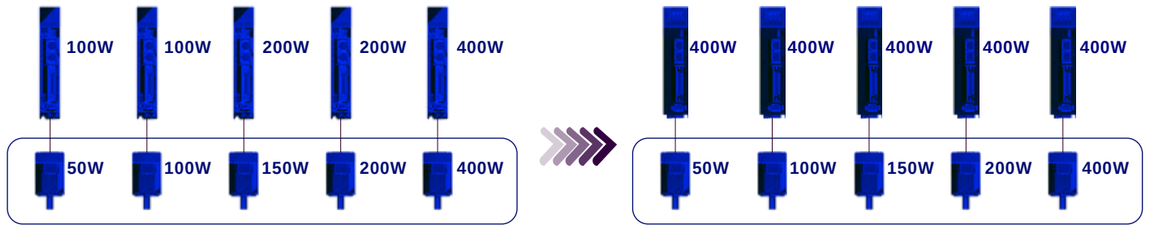
1

- **AC220V** 400W 2kW
- **AC380V** 750W 22kW

Y7S X2/X6 220V 50W~2kW 380V 750W~22kW 20

80+

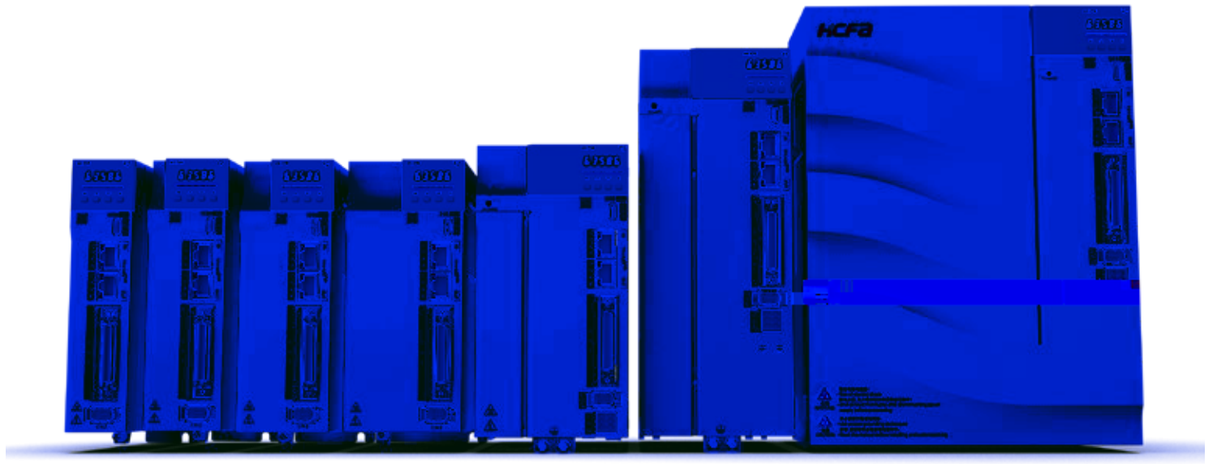
400W -



Y7 Y7S

400W 400W BOM

Strong

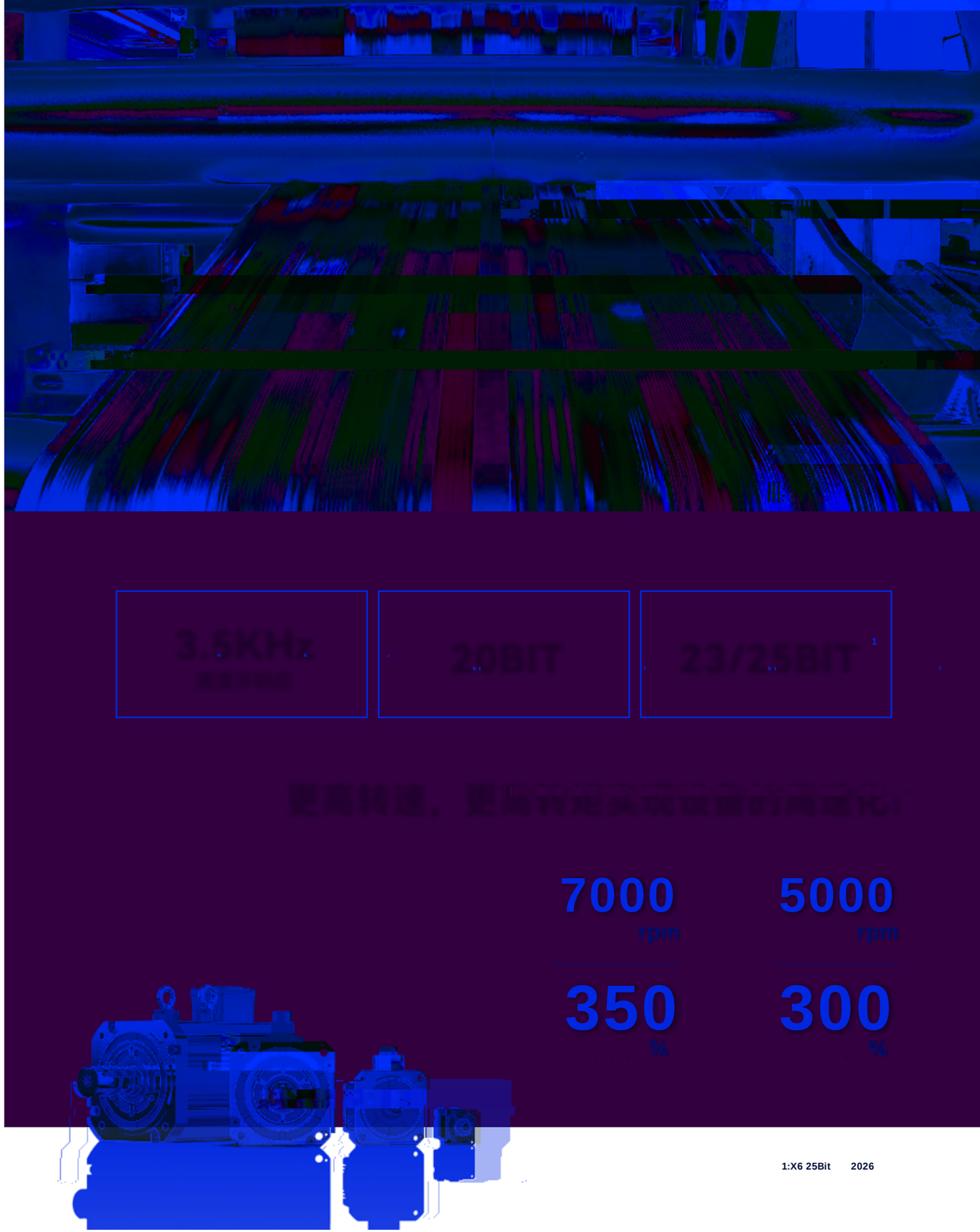


S Y7

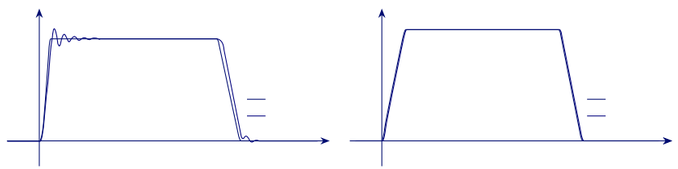
3.5kHz

20bit

25bit [1]



1:X6 25Bit 2026



Strong 强劲！

OFF	ON
	—

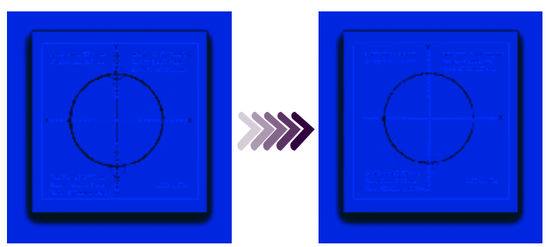
3 100Hz

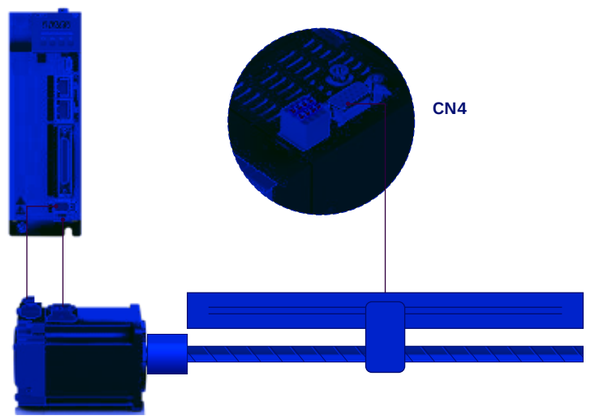
3 100Hz~5000Hz

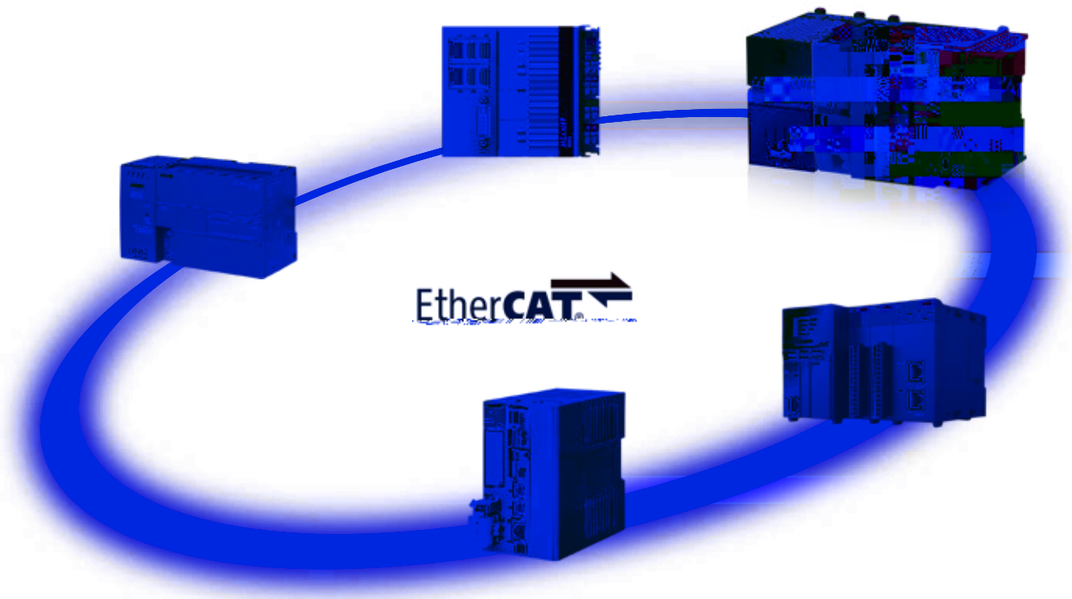
6 3 100Hz

100Hz~5000Hz

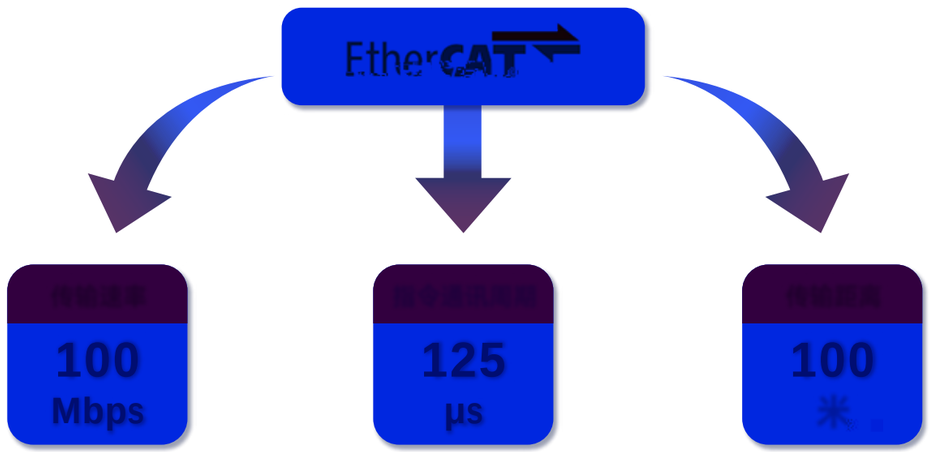
XY



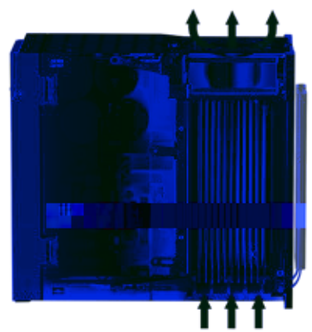




All-in-one • • •



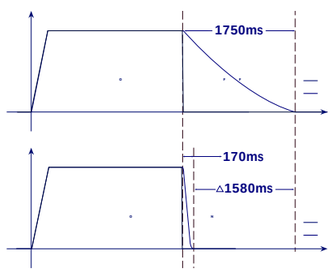
Safety 安全!



STO Safe Torque O f

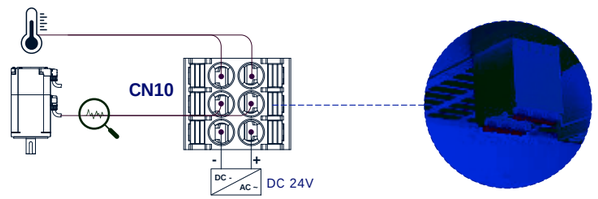
DB Dynamic Brake

OFF



TD(Temperature Detection)

Y7S [1]

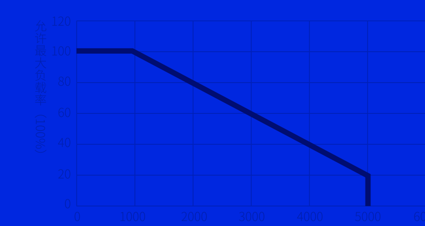


BD(Brake Detection)

Y7S [2]

1 KTY84
2 3kW

	- - - - - - - -

	55 (45 5 10%)
	10 65 (80 72
	20% 85%RH
	20% 85%RH
	5.88m/s^2(0.6G) 10-60Hz
	100m/s^2 (XYZ)
	IP20
	1000m 1000m 

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1

1

1

C

1 14

	HN Y A S			EtherCAT HN Y B S		
	F	E	N	F	E	N
I/O	7DI / 5DO	7DI / 5DO	7DI / 5DO	5DI / 2HDO / 3DO	5DI / 3DO	-
	2 AI	2 AI	-	2 AI	-	-
	1 AO	1 AO	-	1 AO	1 AO	-
	√	√	√	√	-	-
	√	-	-	√	-	-
STO	√	-	-	√	√	-
	√	√	-	√	√	-
	√	√	-	√	√	√
RS485	√	√	-	-	-	-
	√	√	-	√	√	-

:“√” “-”

AC220V

HN-Y7E□***A-S [1]		040	075	100	150	200
(kW)		0.4	0.75	1.0	1.5	2.0
(Arms)		2.8	5.5	7.6	11.6	15.6
(Arms)		9.3	16.9	17	28	39
	(Vrms)	/ AC200~240V 50/60Hz		AC200~240V 50/60Hz		
	(Arms)	2.5	4.1	5.7	7.3	10
	(Ω)	-	50	50	50	20
	(W)	-	80	80	100	100
	(Ω)	40	40	35	20	20

AC380V

HN-Y7E□***T-S [1]		075	100	150	200	300	500	600	750	111	151	221
(kW)		0.75	1.0	1.5	2.0	3.0	5.0	6.0	7.5	11	15	22
(Arms)		3.5	4.7	5.4	8.4	11.9	16.5	20.8	25.7	28.1	37.2	52
(Arms)		10.5	16.9	17	24	31	44	52	65	70	88	105
	(Vrms)	AC330~440V,50/60Hz										
	(Arms)	2.1	2.9	4.3	5.8	8.6	14.5	17.4	21.7	23.4	29.6	43.4
							AC330V~440V,50/60Hz					
	(Ω)	50	50	50	50	40	25	20	20	-	-	-
	(W)	80	80	80	100	100	100	100	100	-	-	-
	(Ω)	40	40	40	40	35	25	20	20	15	10	10

1 □ A B EtherCAT

AC220V

kW		EtherCAT		
0.4	HN-Y7□A040A-S	HN-Y7□B040A-S	AC / 220V	
0.75	HN-Y7□A075A-S	HN-Y7□B075A-S		
1	HN-Y7□A100A-S	HN-Y7□B100A-S	AC 220V	
1.5	HN-Y7□A150A-S	HN-Y7□B150A-S		
2	HN-Y7□A200A-S	HN-Y7□B200A-S		

E F N

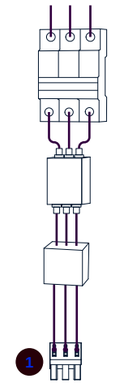
AC380V

kW		EtherCAT		
0.75	HN-Y7□A075T-S	HN-Y7□B075T-S	AC 380V	
1	HN-Y7□A100T-S	HN-Y7□B100T-S		
1.5	HN-Y7□A150T-S	HN-Y7□B150T-S		
2	HN-Y7□A200T-S	HN-Y7□B200T-S		
3	HN-Y7□A300T-S	HN-Y7□B300T-S		
5	HN-Y7□A500T-S	HN-Y7□B500T-S		
6	HN-Y7□A600T-S	HN-Y7□B600T-S		
7.5	HN-Y7□A750T-S	HN-Y7□B750T-S		
11	HN-Y7FA111T-S	HN-Y7FB111T-S		AC380V
15	HN-Y7FA151T-S	HN-Y7FB151T-S		
22	HN-Y7FA221T-S	HN-Y7FB221T-S		

E F N

AC220V 2kW

AC220V



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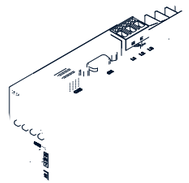
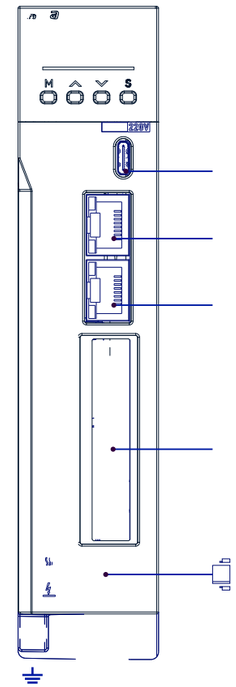
(L1/L2/L3)

L1 L2 L3

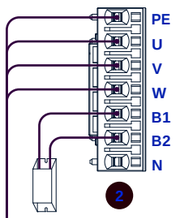




CN10

(PE)

(U/V/W)



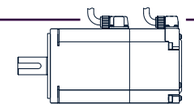
(B1/B2)

B1/B2

(B1/N)

B1 +

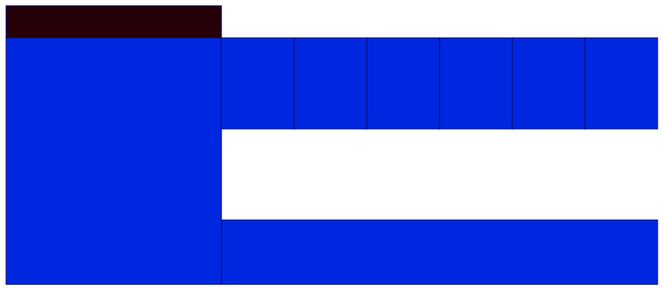
N -

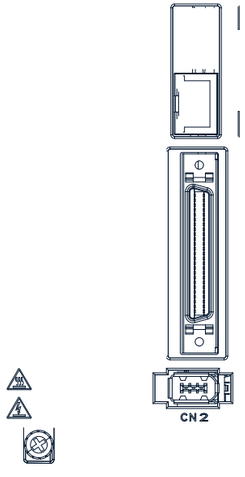


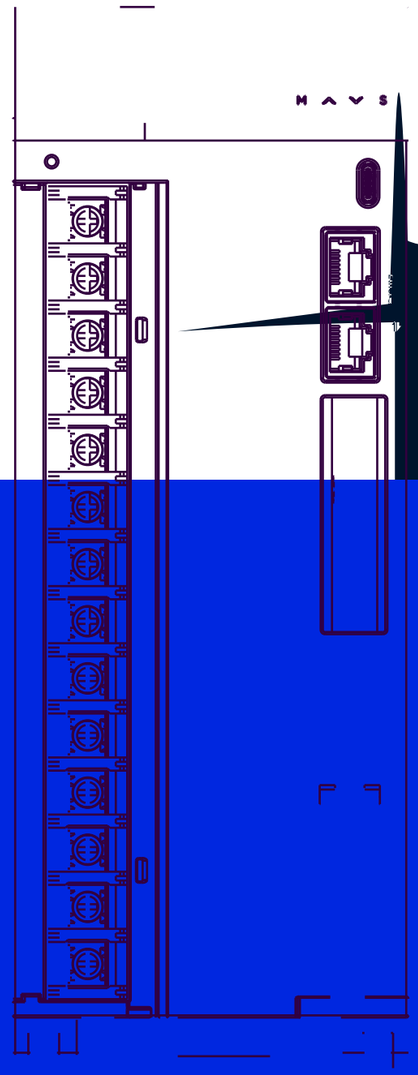
4 CN4

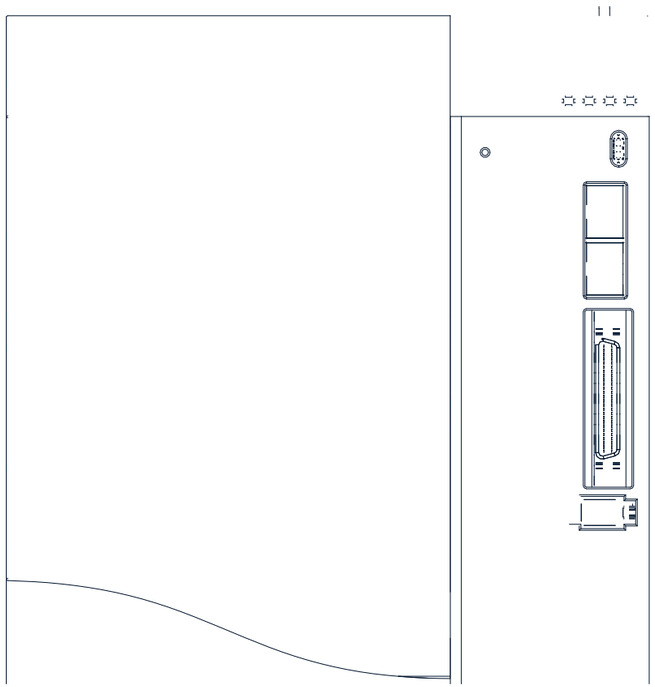
5 CN10

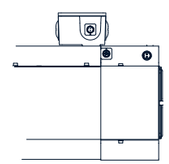
3kW

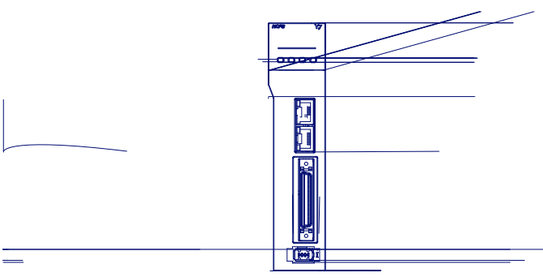


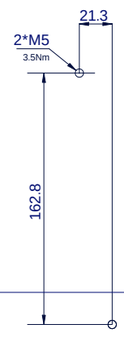

CN2


CN7 PC
Type-C








21.3
2*M5
3.5Nm
162.8

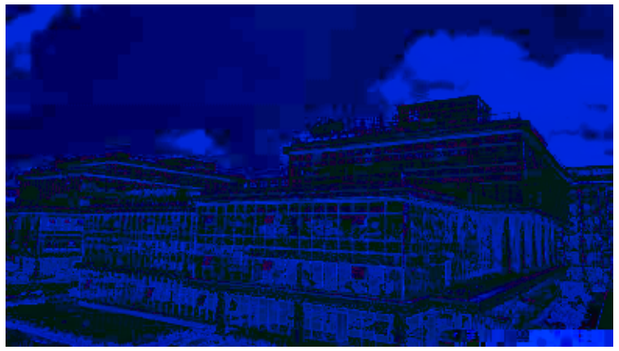
HCFA

禾川科技

2011

200

2023 11



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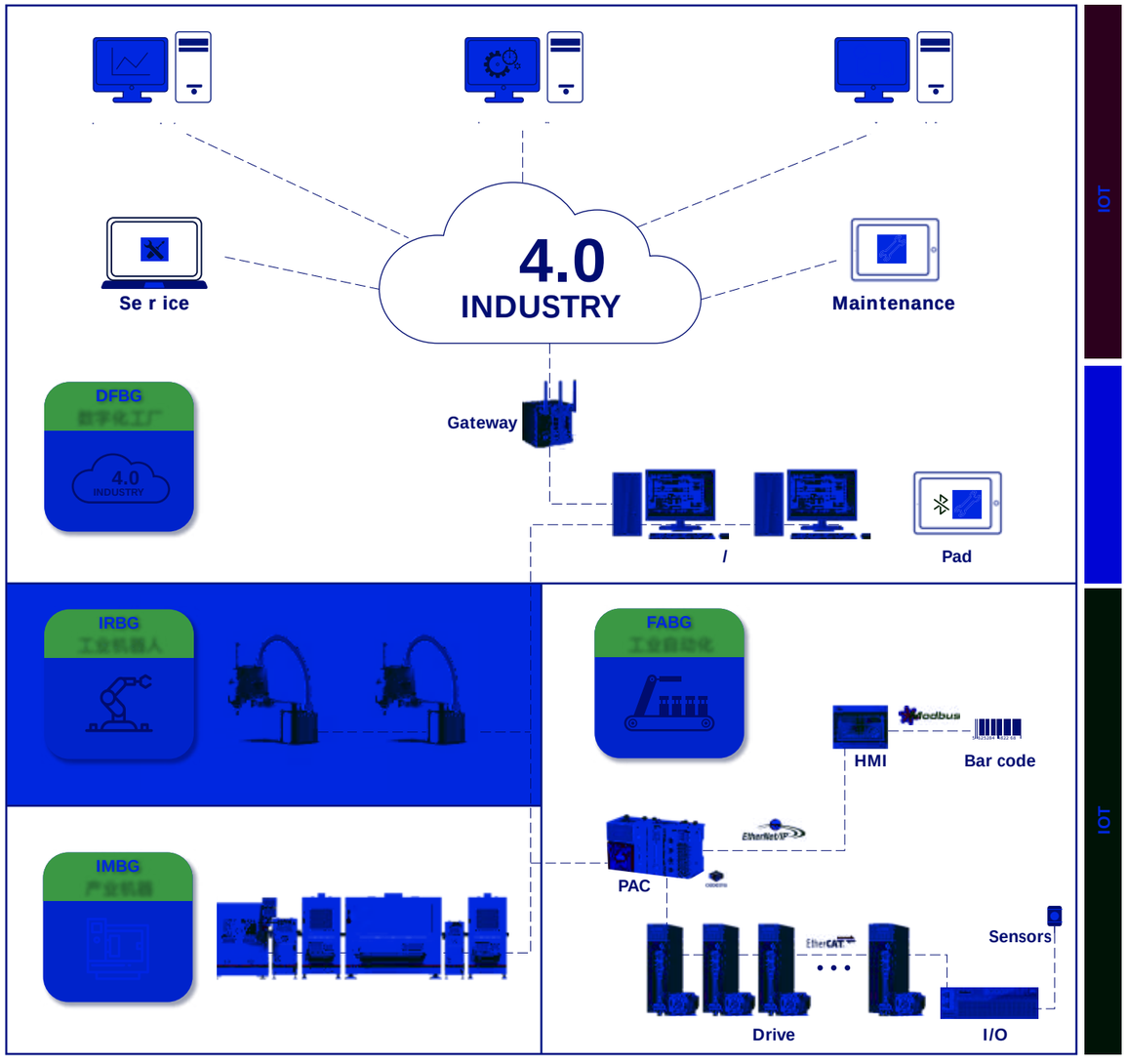
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- ASIC SOC
- AMR /