



1985 300MW 600MW 20% 80%

90 DEH EH

30 DCS PLC



- 1.
- 2.

0 1



- 1.
- 2.
3. I/O
- 4.

0 3



NetPAC

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
7. I/O

0 6



NetPAC

1. iCAN
2. iGuard
3. xAMS

0 1



8 1



A

9 1

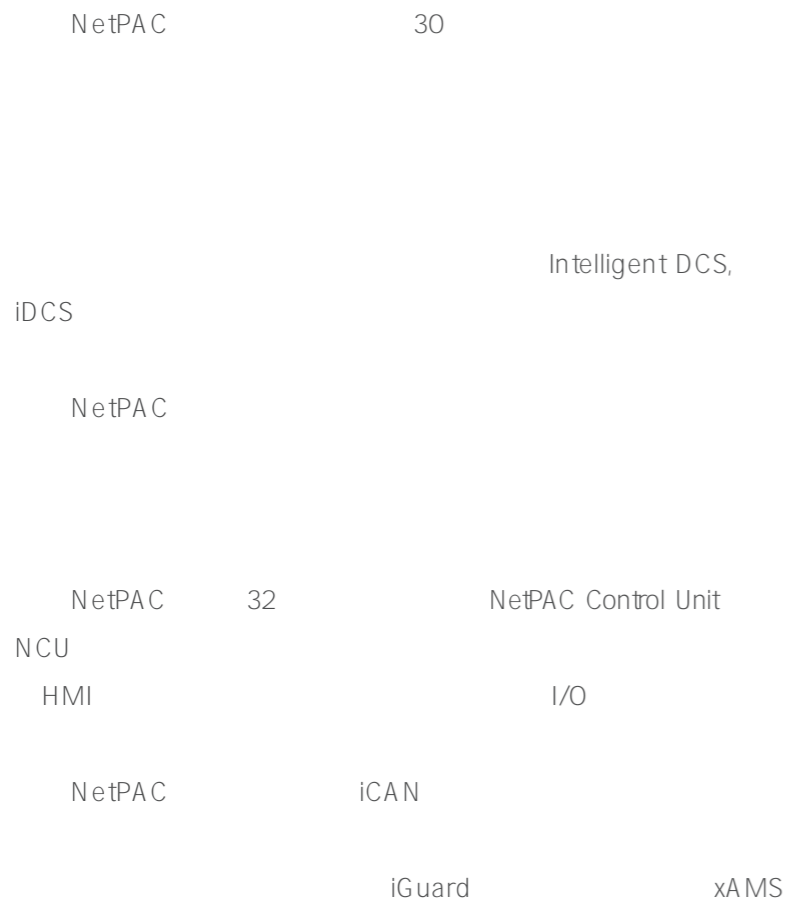


B I/O

2 1



1.

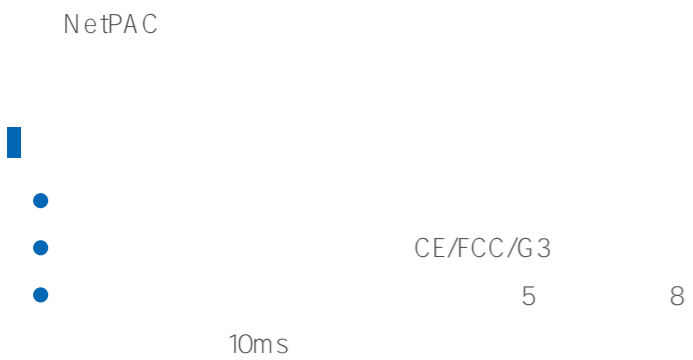


- CFAST CF
- HART Profibus-DP/PA FF
- I/O
- I/O I/O I/O
- I/O
- DI 48VDC
- SOE 1/32 ms
- SV 2002D / LVDT
- LP 2003 CPLD ETS
- SD SOE 2003 CPLD OPC/AST
- LDA PLU

- All-In-One
- XML
- iGuard
- xAMS

- NTP I/O 10ms
- Modbus HART Profibus-DP/PA FF

2.



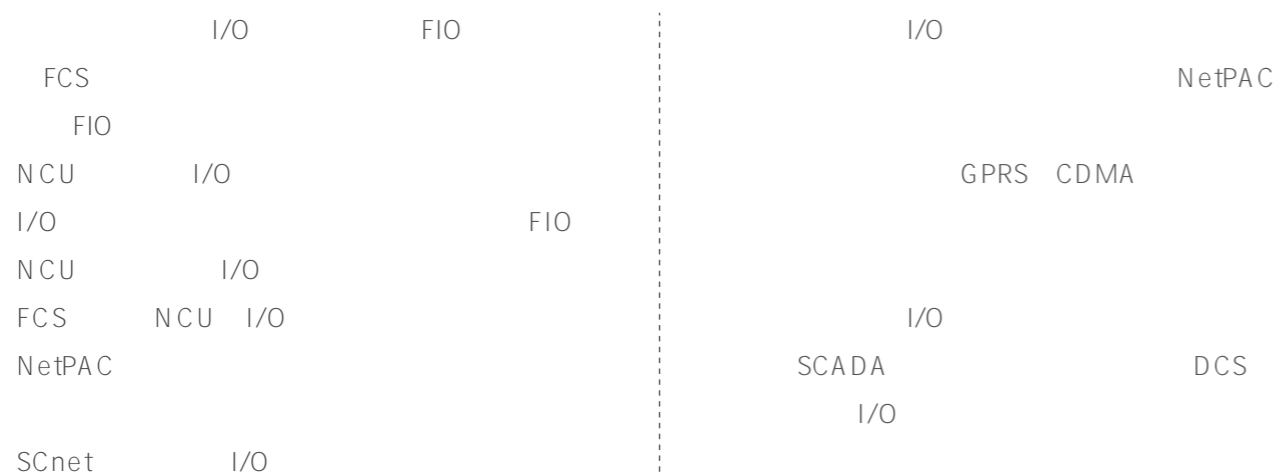


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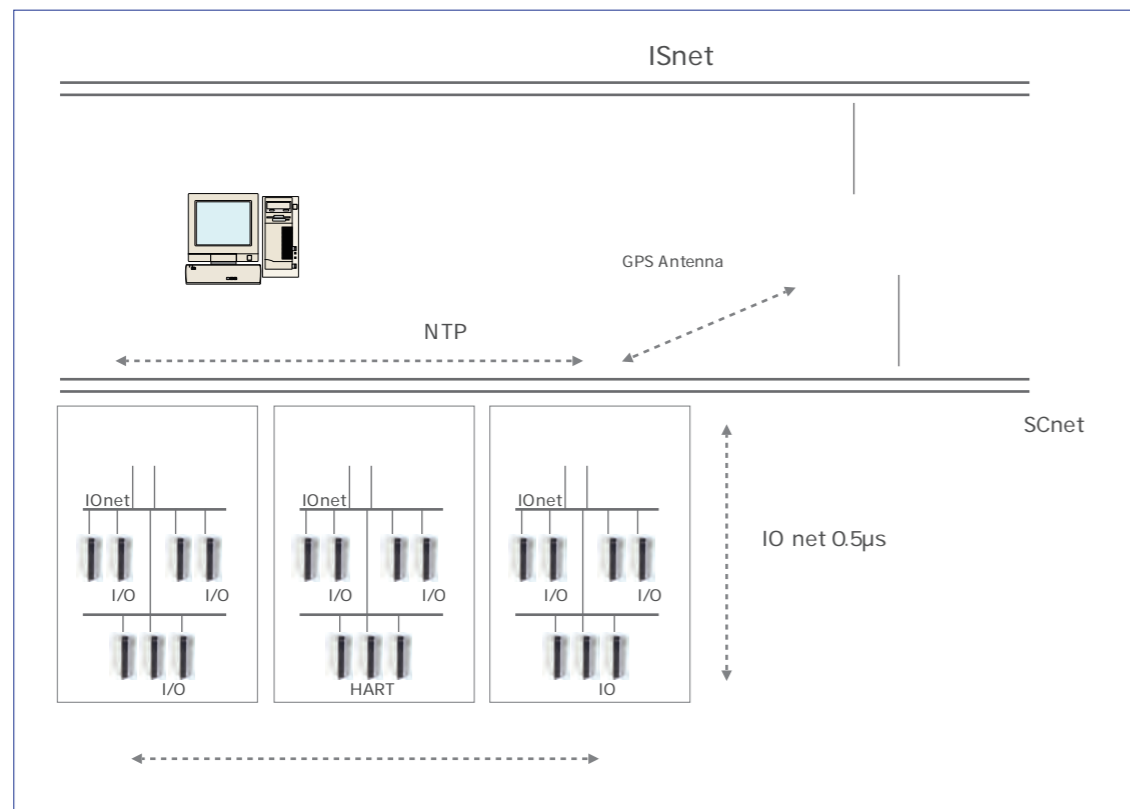
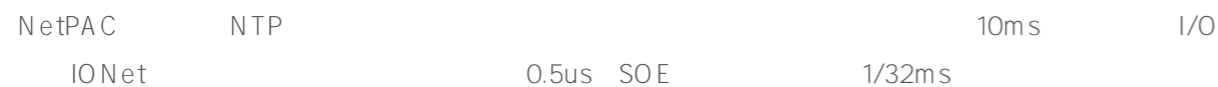
1.

NetPAC
ISNet SC-
Net I/O IONet
ISNet 100/1000Mbps
MES
SIS OTS DLP
CCTV
Web Internet
SCNet 100/1000Mbps
NCU HMI

3. I/O



4.



NetPAC



1.



WIN 7 OPU iCAN

2.

WIN 7 ENG iCAN

WIN 7 OPU

3.

WIN 7 HSU iCAN

LOG

SOE

WIN 7 OPU

ENG

ENG

HSU

4.

WIN 7 HMI

iCAN

GTW

iGuard

xAMS

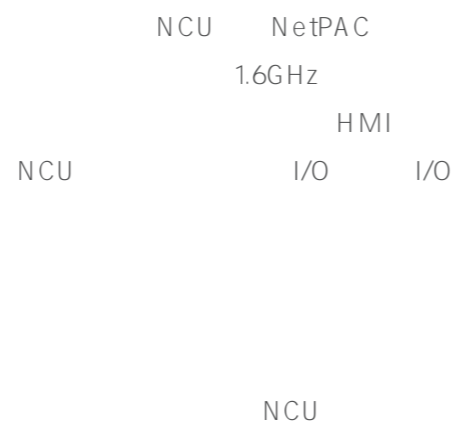
5.

NetPAC

- VLAN
- QoS
- ACL
-
-



6.



- NCU HMI
- <5ms
- CFAST
- 32
- IEC61131-3
-
-
-
-

- 1 Intel 1.6GHz 2GB 2GB CFAST
- 2 5 100M/1000Mbps RJ45
- I/O 8 2Mbps
- /
- 3 32
- 4 999
- 512
- 10ms~300s
- 5 96 I/O 1,536 3,072
- 6 736 I/O 20
- 7 LED
- 8 24V DC
- <10W
- 9 -20 ~ -60
- 10%~95%
- -40 ~ -85
- 10 146mm × 50mm × 149mm × ×

7. I/O

I/O

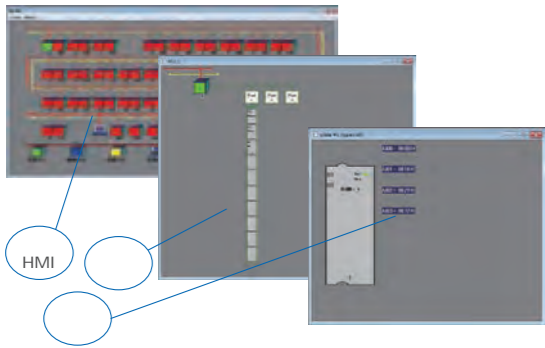
- GA H
-
-
-
- ≠C
- 16/24 A/D 12 D/A
-
- ≠C
- ≠C
- A≠AC <AFH
- DE</EHG
- A cXVi g DfcZVi g-DD/DA FF



-
-
-



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-
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-
-

EC61131-3

C



-
-



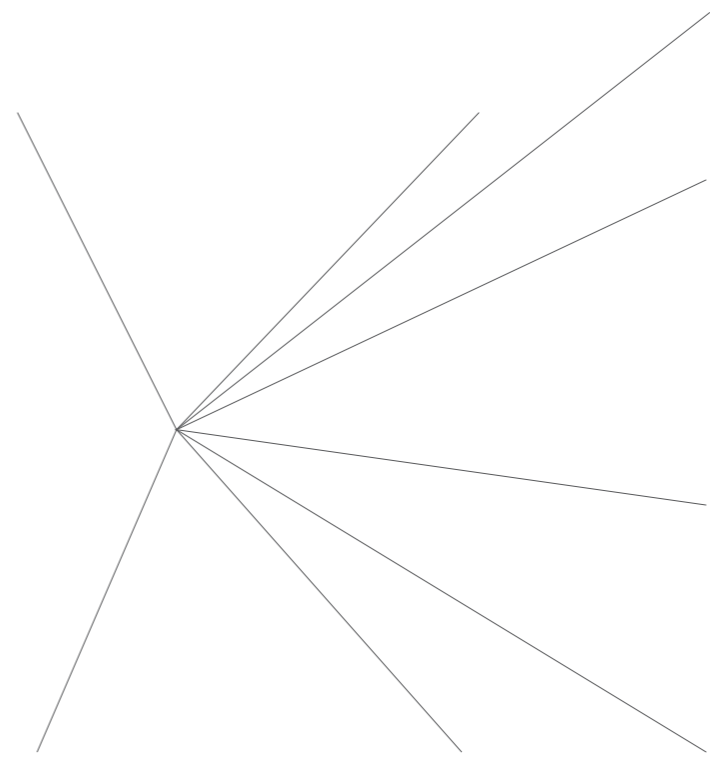
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16



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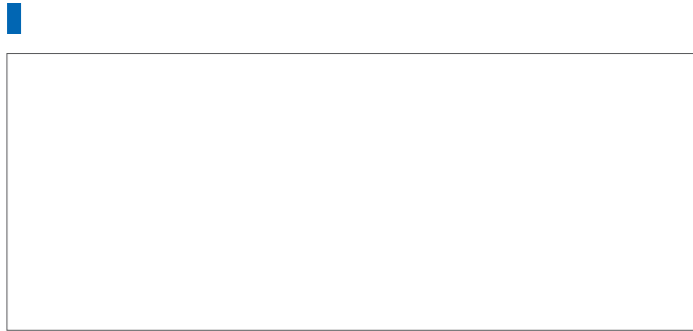
D-D



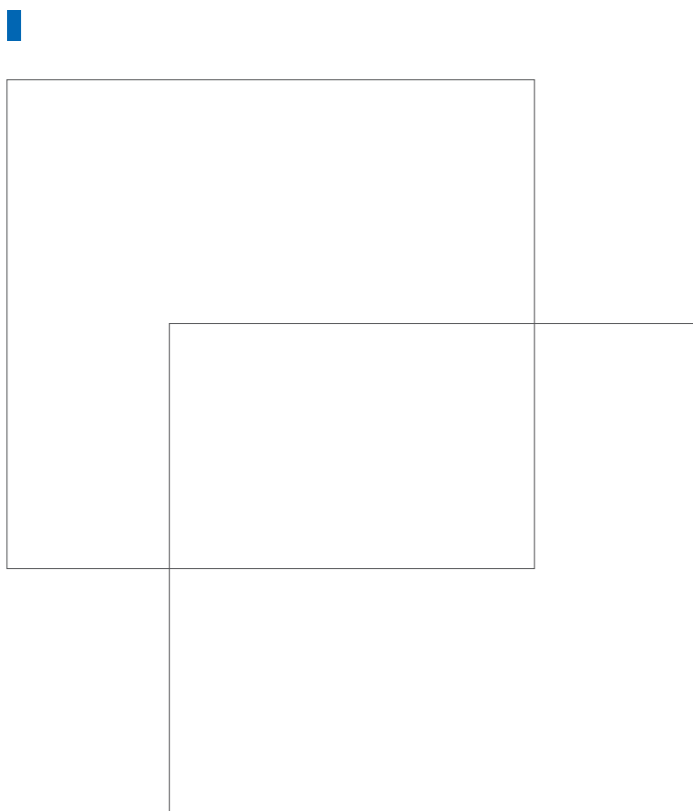
USB



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-



-
-
-



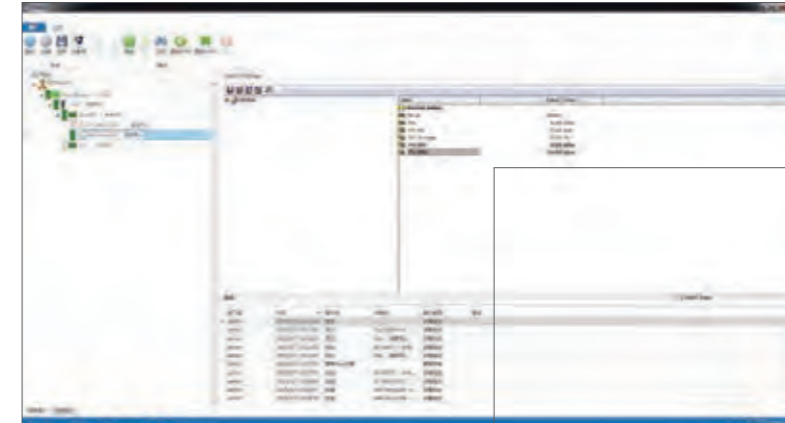
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-

3. xAMS

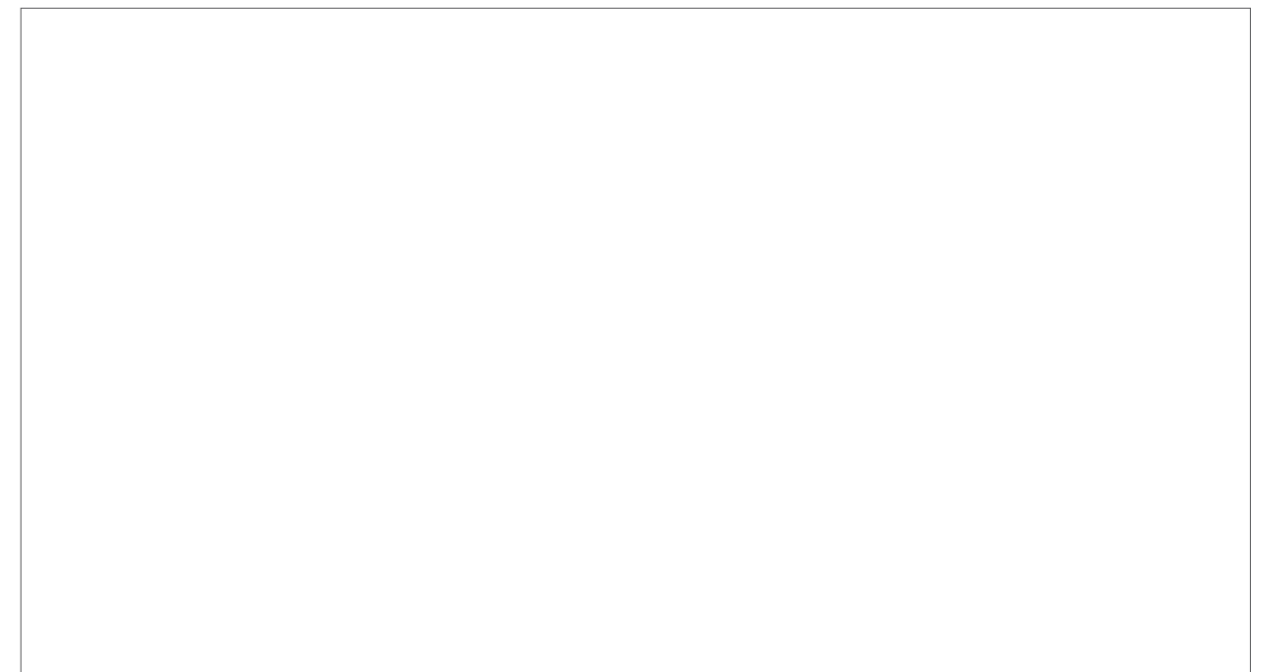
IAAG

BYDAC

- DfcZVi g-DD <AFH FF



-



-

- K YV

A



			NetPAC
			NetPAC
			NetPAC
			NetPAC
			37
			+ 37
			DEH
			I/O
			4 RS485
			Profibus-DP
			I/O
			4 RS485
			Profibus-DP


I/O			
			8
			16 Hart
			8
			8 Hart
			16 (48V)
			32 (48V)
			16 (48V)
			16
			32
			8
			8
			8
			DEH
			DEH
			DEH
			ETS
			16
			16
			8
			8
			16
			DEH
			ETS


B I/O




I/O	
	24VDC 1 1
	ARM Cortex-M3/M0 CPU 50MHz
I/O	2Mbps 0.5µs
	120 x 40 x 120mm x x
	CFR 47 FCC Part 15 ANSI C63.4-2014 IEC 61000-3-2/3 IEC 61000-4-2/3/4/5/6/8/11 ANSI/ISA 71.04-2013
	-20 ~ +60 -40 ~ +85 10 ~ 95%, 10-500Hz 10m/s ² 2500m 0.5µs, 18,000 /L
	CE FCC G3


	NAI-21	8
		0(4)- 20mA
		± 10%,
		0.1%
		16 AD 500k/s
		400VDC 1500VDC
		> 120dB > 60dB
		< 2W < 4W


	NAIH-21	16 Hart
		4- 20mA, HART
		± 10%,
		0.1%
		16 AD 500k/s
		> 120dB > 60dB
		< 2W < 8W

	NAO-21	8
		0(4)- 20mA
		1000
		0.2%
		12 D/A, D/A
		1000VDC 1500VDC
		< 2W, < 5W

	NAOH-21	8	Hart
			4~20mA, HART
			1000
			0.2%
		12	D/A, D/A
			<2W <8W

	NDI-21	16	48V
			
			, 3~50ms , 20ms
			LED
			1000VDC 1500VDC
			<1W <2W

	NDI-23	32	48V
			
			, 3~50ms , 20ms
			LED
			1000VDC 1500VDC
			<1W <4W

	NSOE-21	16	48V
			
	SOE	0.25ms	
		, 3~50ms , 8ms	
		LED	
		1000VDC 1500VDC	
		<1W <2W	

	NDO-21	16
		, 1NO/1NC 24VDC/130mA
		NDOT-21() •10A @ 250VAC (); 10A @ 30VDC (); •7.5A @ 250VAC (); 6A @ 30VDC ()
		NDOT-231/232() •10A @ 220VDC (); 16A @ 400V AC (); •2A @ 220VDC (); 3.6A @ 110V DC ()
		LED
		1000VDC 1500VDC
		<1W <0.8W

		NSV-21 DEH	NSVI-21 DEH
		1 PID 2 LVDT 2 2 7 1	
		LVDT 3 /6 AI: ±5V/±20mA <0.1 AO: 4~20mA/0~5V ±20mA <0.2 DI: (48VDC) DO: 30VDC/1A	
		LED	
	LED		
		1000VDC 1500VDC	
		<1W <2W	=0W <4W

		NSD-21 DEH	
		1 6 6 2	
		>200mV	(48VDC)
		, PhotoMOS	<50
		0-10KHz	
		0.1 RPM 16	>50 RPM <10ms
		1000VDC 1500VDC	
		<3W,	<3W

		NLP-21 ETS	
		24 6	
		48VDC	
		60V/50mA	
		1000VDC 1500VDC	
		<1W, <0.2W	