

# PAC3i 冗余配置指导

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#### 1. PAC3i 冗余系统架构图







## 2. 新建项目并激活 CPE330 冗余属性

Project Project	FAC GE Intelligent Platfo	rms PACSystems BX3i [D	efault - Set as defau	1+
roject	My Computer		-	
A project with default settings	one GE Intelligent Platform	s PACSystems RX3i target	preconfigured with	
	a arget1 Data Watch Lists Hardware Configuration Logic Cig Program Blocks MAIN	Target1: Data Watch Lists: Hardware Configuration: Logic Program Blocks: Reference View Tables: Supplemental Files:	PACSystems RX3i Empty Default PACSystems RX3i Contains empty _MAIN LD Block Contains Default RVTs Contains empty folders	

设置 IC695CPE330 的两个 IP 地址(不同网段,该 CPU 默认的出厂 IP 地址是 192.168.0.100, 10.10.0.100)

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File Home Target Variables View Utilities InfoViewer PLC HWC		a rtl 🕦 🎲 🗇 🛛
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#### 右键 "Target" "Properties"

1	004		PAC -Proficy Machine Edition - [(0.2.0) Ethernet]	- # X
File Hom	e Target Variables View	w Utilities InfoViewer PLC HWC		a rtl 🚯 🚯 🗔 🖾
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Navigator	3	× InfoViewer (0.4) IC695PNC001	(0.2.0) Ethernet	<b>▼</b> ×
		Settings LAN 1 LAN 2		
B @ PAC	Add Component Add All Components Remove Component Rename Delete Set as Active Target Update Security Validate Download to Controller Upload from Controller Download and Start Go Online	Parameters tration Mode trating tra	Values           1CP/IP           0.2.6           300001           60           1	
ns III Manag	Offline Commands Show Runtime Report Diagnosisis Show Documentation Find in Target1* Clean Build Folders Import Export Binaries	Cbi+T		▲ 0 Administrator /LOCAL

Inspector	Ţ	×
Sweep Time (ms)	Offline	*
Controller Status	Offline	
Scheduling Mode	Normal	
Force Compact PVT	True	
Enable Shared Variable	False	
Process System Enable	False	
DLB Heartbeat (ms)	1000	
Enhanced Security	False	
Compression Level	Normal	
Enable Redundancy	False 💌	
Physical Port	ETHERNET	1
IP Address	192.168.0.100	
⊞Additional Configuration		
		Ŧ
Inspector		

将冗余属性激活 "Ture"即可

Enable Redundancy

True

-

### 3. Primary 硬件配置

(1) 添加以太网模块 IC695ETM001 并设置 IP 地址

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(2) 添加冗余切换模块 IC695RMX128

(3) 添加 Profinet 控制器模块 IC695PNC001

添加从站

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evigator			Manager 1 19-045 IC-0354 TM001	(PAD STANDARD		•
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the Program Blocks     tore Defined Types     tore Defined Types     tore Tables     tore Defined Types     tore Tables     tore Defined Types     tore Tables     tore Defined Teles     tore Teles     tore Teles     tore Teles	Add ID-Oevice Charge LAN Launch Discovery Tool Manage LANs Properties	les Alt+Leter				

PROFINET Device Catalog	<b>X</b>
	OK
⊞- GLM082 20170419-V2_3-GE ⊞- GLM104 20170419-V2_3-GE	Cancel
	Help >>>
	Have GSDML
Order Number	
Description	

在此界面选择需要的 Profinet 远程 IO 通讯模块。



#### 注意: 若需要添加第三方 IO 通讯, 直接点击 "Have GSDML..." 添加即可



(4) 设置 Peofinet 环网冗余

主站设置冗余(设置为 Manager)



#### PAC3i 冗余配置指导

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File Home Target Variables View Utilities InfoViewer	PLC HWC		
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Navigator 4 ×	InfoViewer (P.0.4) IC695ETM00	1 (P.0.5) IC695RMX128	(B 0 5) IC695PNC001
	Anioviewer (P.0.4) (COSSET Mod		(F.0.0) 10035FN0001
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	Media Redundancy	Manager	Values
🖶 🕞 Diagnostic Logic Blocks	Ring Port 1	1	
	Ring Port 2	2	
Inactive Blocks	Default Test Interval (ms)	20	
🗄 🎲 Hardware Configuration [Primary] *	Lest Monitoring Lount	3 mmdomain 1	
E- III Rack 0 (IC695CHS012) *	Jonian Mane	Impuomarri	
Slot 1 (Used With Slot 0)			
□ 📲 Slot 6 (IC695PNC001) *			
🖻 📲 versamax-pns (#1) [VersaMax PROFINET IO Scann			
Slot 0 (IC200PNS001) *			
ns 🛄 Manager 🔚 Project 🔛 Variables 💔 IntoView 🕅 🕇 🖬 🗮 📙		1	
Done			Offline

设置 I0 分站的扫描周期

ns 😃 Manager 🖀	Project I Variables
Inspector	₽ ×
IO-Device	A
Device Number	1
Update Rate (ms)	64 💌
Reference Variable	<none></none>
⊡Network Identification	
IO LAN	LAN06
Device Name	versamax-pns
Device Description	
IP Address	192.168.5.2
⊡General	
GSDML	GSDML-V2.3-GEIP-VersaMaxPNS-20130426.xml
Device Type	VersaMax PROFINET IO Scanner (2 RJ-45 Copper connect
Device Access Point	IDD_2PNS001
Group IO References	True
Inspector	

设置 IO 分站冗余(设置为 Client)



#### PAC3i 冗余配置指导

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Image: Copy Paste         Copy Paste         Omega         Delete         Paste         Omega         Rename         Find         End         Replace         Nep           Copy Paste         Ouplicate         Undo         Redo         Select All         Find         Replace         Nep	t Message Next Error	New Target	All Id All Build Folders	<ul><li>Connect</li><li>Start</li><li>Stop</li></ul>	<ul> <li>Programmer Mode</li> <li>Download and Start</li> <li>Clear</li> </ul>	Validate Validate Download Pause		
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🖻 🕞 Diagnostic Logic Blocks	Ring Port 1		1				******	
	Ring Port 2		2					
Inactive Blocks	Domain Name		mrpdomain-1					
🖻 🎆 Hardware Configuration [Primary] *								
🖻 🎆 Rack 0 (IC695CHS012) *								
Slot 0 (IC695PSA040)								
Slot 1 (Used With Slot 0)								
Slot 2 (IC695CPE330) *								
Slot 3 (Used With Slot 2)								
Slot 4 (IC695ETM001) *								
Slot 5 (IC695RMX128) *								
E Slot 6 (IC695PNC001)								
ersamax-pns (#1) [VersaMax PROFINET IO Scann								
Slot 0 (IC200PNS001) *								
Slot 1 (IC200MDL650) *								
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Slot 8 ()								
Slot 9 ()								
Slot 12 0								
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ns 😃 Manager 泪 Project 📧 Variables 📀 InfoView 🛚 🖛 🔻 🖛								
For Help, press F1						Offline	80 40	

# 4. Secondary 硬件配置

Secondary 硬件配置只需要直接做硬件镜像及 IO 镜像即可

	PAC -Pro	alay ware a station ( (P ind) interpretation)	- 9 8
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	Proceeding Media Polantiany Poly Polini Poly Polini Default Test Notationg Count Test Monitoring Count	Volume Vo	
Berrar Defined Types     Berrar Defined Types	Interf HINC		
If ign Default version Tables     If ign Default states     If ign Default states     Inspect for     AVM Tiles     Controller     Depart for     Controller     Properties	ny + an Re Re anrial Lin	Minor to Secondary Handware Configuration Minor Redundant PROFINIT ID Devices	
Dotamentation Files			





镜像完毕后,设置 Secondary 中 CPU 及 ETMO01 的 IP 地址即可(不允许与 Primary 的 IP 地址重复)

是(Y)

否(N)



■ B: F: S: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0: 0:		PAC -Proficy Machine Editi	on - [[5.0.2.0]	Ethernet]		- Ø B
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Artise Blocks	Redundant IP		Disable			
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2						
C All Hardware Configuration Recordsoil *						
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The billing way of the						
Stot & (Used With Stot ())						
1 9 SOL2 (CARSCILLAR) -						
Enemat (using Level 1 and 2)						
PROFINE: Controller [Disabled]						
- g Slot 3 (Used With Slot 2)						
Slot 4 (00895ETM001) *						
- Slot 5 (00995RM0(128) *						
8-9 Slot 6 (0C695PtvC000) *						
- gi Slot 7 0						
- gi Slot 8 0						
- gi Slot 9 0						
- gi Slot 10 0						
All Grattin						
ns 🗈 Manager 📰 Project 🔝 Variables 🔮 InfoView 🗷 4 🔸 🗷 🖉						
Done					Office	Administrator LOCAL

至此, IC695CPE330 冗余配置完毕