Classification	NAPOPC_XI	PE FAQ	1			No.	1-005-E
Author	James	Version	1.0.0	Date	2010/7/12	Page	1/3
How to op NAPOPC Applies to: Platform XPAC	otimize o _XPE?	OS ve	nicatio	n per	formanc	e in sion PE v1.12	
	COM port Baud rate Parity Nor	Setting 9600				1-87024	
	Data bits 1 Stop bits 1	3				1-87017	
			COM1			I-87058 I-7024	
						1-7033	
	umed erekit					1-7041	
Ne connect to	umea arcnit	ecture: )17/I-87058	8/1-7024/1-70	)33/1-70/	41 via COM1	of XPAC	Search all
nodules via CO	DM1, and the	n we could	get these r	nodules	in NAPOPC_	XPE Serve	er.
<ul> <li>              ■         </li> <li>             ■</li> </ul> <li>             ■</li> <ul>             ■             ■ <li>             ■</li>             ■             ■ <li>             ■</li> <li>             ■</li>             ■ <li>             ■</li>             ■ <li>             ■</li>             ■             ■ <li>             ■</li>             □ <li>             ■</li></ul>	024 017 058 33 41 24 AOs				Name Ch00 Ch01 Ch02 Ch03	Analog Analog Analog Analog Analog	pe Output Output Output Output
		ICP DAS	Co., Ltd. Te	chnical d	locument		

										· · · · · · · · · · · · · · · · · · ·	
Classi	ification	NAF	POPC_XPE	FAQ			1		No.	1-005-E	
Autho	r	Jam	es	Version	1.0	).0	Date	2010/7/12	Page	2/3	
Click a	any one n	nodul	e, and we	could se	e " <mark>/</mark>	Average S	can Tim	IC" Avg Scan	time: 968 ms	on the	
status	bar of N	<b>APOF</b>	PC_XPE w	vindow. N	low	Average S	Scan Tii	me we get is	968 ms.		
							COM1				
	Module		I-87024	I-8701	7	I-87058	I-7	033 I-	7041	I-7024	
A	vg Scan Ti	me		-			968ms				
		ľ									
So far	So far the Access-Interval of Each module is 968 ms.										
If we intend to set the Access-Interval as below:											
I-87024/I-7024: 1 Second											
I-87058/I-7041: 3 Second											
	I-87017/I-7033: 100ms										
We could operate as following steps:											
we could operate as following steps:											
1. Divide these modules into two different COM ports. Connect I-8/024/I-8/01//I-87058 to											
	Jivin, and	conn	lect 1-7024	/1-7033/1	-704	41 to COIV	12.				
		со	M port Sett	ing					1-87024		
		Ba	ud rate 960	C				U			
		Pa Da	rity None ta bit <mark>s 8</mark>					IR.			
		Sto	op bits 1				2		<mark>I-87</mark> 017		
			1-				-				
									1-87058		
			17-8341	i i					1-07050		
					Ļ						
								1 ACCOR			
									1-7024		
								a land			
						СОМ2 느		-	1-7033		
									I-7041		
2. Search modules via COM1/COM2 again, and then check "Average Scan Time".											
We will find "Average Scan time" has been getting faster:											

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		1			14							
	Madula		1 0707 4		1 <b>L</b>	07050	 	1022			1 7004	
		1-87024	1-870	1/ 1	-87058	I-7033 I-		[-/	041 6 mc	1-7024		
AV	g Scall III	ne		3911	115				51	0 1115		
3. We	could ad	ljust	"Pending	Time" to	enhan	ce the p	erform	ance of	comm	nunicat	ion further. E	
the	Controlle	er Se	tting tabl	e to look	for the	"Pendin	a Time	optior	).			
			Design and the second				9					
	Device Properties											
			Devic	e Name 7024								
	O I-7K/I-8K/I-87K/ZB-2K I/O Module           Module Setting           O Remote           7K           7024           ZB-2K											
	O With Controller Controller 87K											
					-	BK	¥.					
			A	ldress 3	(0~255	) T	imeout (mS	Sec) 500				
				Slot 0 (0~7 for 8K Modules) Checksum Disable 💌								
				Port Setting				l.v.				
			C Baud	COM 1 Parity None Parity Baud Rate 9600 T Data Bits B								
				1			Stop Bits	1	<u>×</u>			
			O RP(									
			TP Ad	oller Setting -	255.1	Port 505	Tir	meout 500				
								mour j				
	Simulate I/O (does not access the RS-485/Modbus device)											
					,00	11125	J					
						OK	Canc	el				
Accord	ling to ou	ır req	uirement	, change	the "Pe	ending T	ïme" a	s follow	ing			
		_		I-70	33		I-704	41		I-70	24	
	Pendi	ng T	ime	81 <u>-</u>	-		200	0		80	0	
				1-870	24		1-870	17	1	1-870	058	
	Pending Time			80	0					2000		
After w	e accom	plish	it. we co	uld aet b	etter "A	verage	Scan T	Time" as	62ms	and 3	1ms.	
Finally	we have	imn د		cese-Inte	arval ar	nd sat dif	ferent	interval	s for d	ifferent	t modulee	
many		- mp					TETEIIL					
		<u></u>		07004	LOZON	7	2050	1 7000			1 7004	
Module				I-87024 I-87017 I-87058				1-7033 1-7		041	1-7024	
	Avg Sc	an I	inie		02 M	5		0	3	i ins		
						td Task	ical 4-					
				ICF DA	5 CU., L	au. recili	ncai ut	Cument				