

## Performance Comparison Table 1

PACs	CPU	Normal running Speed (Normal PLC scan-time)	Normal Speed for floating point calculation (scan-time)	Ethernet	ISaGRAF code size limitation (bytes)	Memory for running program (bytes)
<b>iPAC-8477</b> <b>iPAC-8877</b>	80186- <b>80M</b> Hz or compatible	About <b>4</b> (2 ~25ms)	About <b>0.8</b> (10~125ms)	1 port <b>10/100</b> Mbps	64K	About <b>1M</b>
<b>i-8437-80</b> <b>i-8837-80</b>	80186- <b>80M</b> Hz or compatible	About <b>4</b> (2~25ms)	About <b>0.8</b> (10~125ms)	1 port 10 Mbps	64K	About 512K
<b>i-8437</b> <b>i-8837</b>	80188-40M Hz or compatible	About 1 (5~100ms)	About <b>0.2</b> (25~500ms)	1 port 10 Mbps	64K	About 512K
<b>i-8417</b> <b>i-8817</b>	80188-40M Hz or compatible	About 1 (5~100ms)	About <b>0.2</b> (25~500ms)	No	64K	About 512K
<b>μPAC-7186EG</b>	80186- <b>80M</b> Hz or compatible	About <b>4</b> (2~25ms)	About <b>0.8</b> (10~125ms)	1 port <b>10/100</b> Mbps	64K	About <b>640K</b>
<b>i-7188EG</b>	80188-40M Hz or compatible	About 1 (5~100ms)	About <b>0.2</b> (25~500ms)	1 port 10 Mbps	64K	About 512K
<b>i-7188XG</b>	80188-40M Hz or compatible	About 1 (5~100ms)	About <b>0.2</b> (25~500ms)	No	64K	About 512K
<b>W-8047</b> <b>W-8347</b> <b>W-8747</b>	Strong-ARM <b>206 M</b> Hz or compatible	About <b>10~20</b> (3~15ms)	About <b>10~20</b> (3~15ms)	<b>2</b> ports <b>10/100</b> Mbps	<b>1M</b>	About <b>20~40M</b>
<b>W-8037</b> <b>W-8437</b> <b>W-8837</b>	Strong-ARM <b>206 MHz</b> or compatible	About <b>10~20</b> (3~15ms)	About <b>10~20</b> (3~15ms)	1 port 10 Mbps	<b>1M</b>	About <b>20~40M</b>

## Performance Comparison Table 2

PACs	μPAC Series			iPAC Series			WinPAC Series
	i-7188 XG	i-7188 EG	μPAC-7186EG	i-8417 / i-8817	i-8x37 / i-8x37-80 <sup>*1</sup>	iPAC-8x77 <sup>*2</sup>	W-8447/8847 W-8437/8837
Support Ethernet I/O (i-8KE4-MTCP i-8KE8-MTCP)	No			No			Yes
Send E-mail (file attached)	No	Yes <sup>*3</sup>		No	Yes		Yes
Max. amount for linking i-7K/ 87K remote I/O module	64 (COM2 or 3) (support 1 port only)			64 (COM3 or 4) (support 1 port only)			<b>255</b> (COM3)
Modbus Master Function Block Max. amount	64 (Total)	<b>128</b> (Total)		64 (Total)	<b>128</b> (Total)		<b>256</b> (per port)
Available Modbus Master COM Port max. amount <sup>*4</sup>	2 ports				<b>4 ports</b>	<b>10 ports</b>	
	COM 2, 3	COM 1, 2, 3		COM 1, 3, 4, 5		COM 1, 3~8	COM 2, 3, 5~14
Available Modbus Slave COM Port <sup>*4</sup>	2 ports						5 ports
	COM 1, 3			COM 1, 2	COM 1, 3		COM 2 or 3, 5~8
Support Modbus TCP/IP connections	0	<b>4</b>		0	<b>4</b>		<b>8</b>
Modbus Address Range	1~4095			1~4095			1~8191
Data Exchange	Fbus	Fbus & Ebus		Fbus	Fbus & Ebus		Ebus
FRNET I/O	No			No		Yes <sup>*5</sup>	Yes <sup>*5</sup>

### Annotations:

- \*1. i-8x37/i-8x37-80 represents the products of i-8437/ 8837/ 8437-80/ 8837-80.
- \*2. iPAC-8x77 represents the products of iPAC-8477/ 8877 that will be available about Q1/Q2, 2008.
- \*3. μPAC-7186EG has to use an extra X-607/ 608 battery SRAM expansion card for sending Email with an attached file, or it can only send Email without attached file.
- \*4. i-8000's COM5~20 & W-8x47/ 8x37's COM5~14 resides at the i-8112/8114/8142/ 8144/8142i expansion modules; i-7188/μPAC-7186's COM3~8 resides at the X-5xx expansion boards.
- \*5. iPAC-8x77 support Max. 4 pcs. of i-8172 (Max 1024 D/I and 1024 D/O channels)  
W-8x47/ 8x37 support Max. 7 pcs. of i-8172 (Max 1792 D/I and 1792 D/O channels).