

# Selection Guide

**-G:** means gray color version.

**xxxxx:** means the product has phased out. ICP DAS will continuously provide the technical support for it.

**I-xxxxD:** means I-xxxx with LED display.

**I-xxxx CR:** CR( **C**ompliant **R**oHS ) means following the RoHS Directive ( Directive 2002/95/EC ) defined by EU.

**High Profile:** It can be plugged in WinPAC-8000, iPAC-8000 and I-8000 controllers.

**Low Profile:** It can be plugged in WinCon-8000 and I-8000 controllers.

Power Supply	
DP-1200 CR	24 V/5 A Power Supply
DP-660	24 V/2.5 A, 5 V/0.5 A Power Supply
DP-665	24 V/2.5 A, 5 V/0.5 A Power Supply
ACE-540A	24 V/1.7 A Power Supply (Panel Mount)
DIN-540A	24 V/1.7 A Power Supply (DIN-Rail mount)
MDR-60-48	48 V/1.25 A, 60W Single Output Industrial DIN Rail Power Supply
KA-52F	24 V/1 A Power Supply (No mounting)
DIN-KA52F	24 V/1 A Power Supply (DIN-Rail mounting)

Development Tools	
ISaGRAF-256-E	ISaGRAF Ver.3, up to 256 I/O tags + One English Manual
ISaGRAF-256-C	ISaGRAF Ver.3, up to 256 I/O tags + One Chinese Manual
ISaGRAF-32-E	ISaGRAF Ver.3, up to 32 I/O tags + One English Manual
ISaGRAF-32-C	ISaGRAF Ver.3, up to 32 I/O tags + One Chinese Manual
ISaGRAF Book-E	User's manual of ISaGRAF controllers (English)
ISaGRAF Book-C	User's manual of ISaGRAF controllers (Chinese, traditional)

**Note:** ISaGRAF-32 cannot upgrade to become ISaGRAF-256

ISaGRAF Controller	
I-8417/ I-8417-G	ISaGRAF I-8000 controller (80188, 40 MHz ), 4 empty slots. (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)
I-8817/ I-8817-G	ISaGRAF I-8000 controller (80188, 40 MHz ), 8 empty slots. (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)
I-8437-80/ I-8437-80-G	Faster CPU Ethernet ISaGRAF PAC (80186, 80 MHz, 10 Mbps) , 4 empty slots (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)
I-8837-80/ I-8837-80-G	Faster CPU Ethernet ISaGRAF PAC (80186, 80 MHz, 10 Mbps) , 8 empty slots (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)
iP-8447-G CR	Advanced Ethernet ISaGRAF PAC (80186, 80 MHz, Dual-LAN: 10/100 Mbps) , 4 empty slots
iP-8847-G CR	Advanced Ethernet ISaGRAF PAC (80186, 80 MHz, Dual-LAN: 10/100 Mbps) , 8 empty slots

**Note:** iP-8x47 supports high profile I-8KW and I-87KW modules only.

I-7188XG/ I-7188XGD CR	ISaGRAF Palm-Size PAC (80188, 40 MHz) (Support battery-backup retain variables & memory if a X607/X608 is plug in the only I/O expansion slot)
I-7188EG/ I-7188EGD CR	Ethernet ISaGRAF Palm-Size PAC (80188, 40 MHz, 10 Base-T) (Support battery-backup retain variables & memory if a X607/X608 is plug in the only I/O expansion slot)
μ PAC-7186EG/ μ PAC-7186EGD CR	Advanced Ethernet ISaGRAF Palm-Size PAC (80186, 80 MHz, 10/100 Base-TX ) (Support battery-backup retain variables & memory if a X607/X608 is plug in the only I/O expansion slot)
W-8347/ W-8347-G	ISaGRAF WinCon-8000 controller (Intel Strong ARM CPU, 206 MHz, 10/100 Mbps *2 ), 3 empty slots (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)
W-8747/ W-8747-G	ISaGRAF WinCon-8000 controller (Intel Strong ARM CPU, 206 MHz, 10/100 Mbps *2 ), 7 empty slots (Support battery-backup retain variables & memory if a S256/S512 is plug in the back-plane)

**Note:** W-8X47 will be phase out around the end of Mar.2009. Please choose WP-8x47 series as a better alternative~

WP-8147-XX-G (Available soon)	Ethernet ISaGRAF WinPAC-8000 controller (PXA270,32-bit, 520 MHz), one empty slots
WP-8447-XX-G	Ethernet ISaGRAF WinPAC-8000 controller (PXA270,32-bit, 520 MHz), 4 empty slots
WP-8847-XX-G	Ethernet ISaGRAF WinPAC-8000 controller (PXA270,32-bit, 520 MHz), 8 empty slots
<b>Note:</b> WP-8X47 supports high profile I-8KW and I-87KW modules only. WP-8X47-EN-G CR: English (O.S); WP-8X47-TC-G: Traditional Chinese; WP-8X47-SC-G: Simplified Chinese	
<b>Battery Backup SRAM</b>	
S256	256 KB battery backup SRAM for I-8417/8817/8437/8837/8437-80/8837-80 and W-8337/8737/8347/8747 (W-8037 doesn't support S256/512)
S512	512 KB battery backup SRAM for I-8417/8817/8437/8837/8437-80/8837-80 and W-8337/8737/8347/8747 (W-8037 doesn't support S256/512)
X607	128 KB battery backup SRAM for I-7188XG/7188XGD, I-7188EG/7188EGD & μPAC-7186EG/μPAC-7186EGD
X608	512 KB battery backup SRAM for I-7188XG/7188XGD, I-7188EG/7188EGD & μPAC-7186EG/μPAC-7186EGD
<b>RU-87Pn Expansion Unit</b>	
RU-87K1-G CR	Remote I-87KW I/O base, 1 empty slots, RS-485 signal
RU-87K2-G CR	Remote I-87KW I/O base, 2 empty slots, RS-485 signal
RU-87K4-G CR	Remote I-87KW I/O base, 4 empty slots, RS-485 signal
RU-87K8-G CR	Remote I-87KW I/O base, 8 empty slots, RS-485 signal
<b>I-87K Expansion Unit</b>	
I-87K4/ I-87K4-G CR	Remote I-87K I/O base, 4 empty slots, RS-485 signal
I-87K5/ I-87K5-G CR	Remote I-87K I/O base, 5 empty slots, RS-485 signal
I-87K8/ I-87K8-G CR	Remote I-87K I/O base, 8 empty slots, RS-485 signal
I-87K9/ I-87K9-G CR	Remote I-87K I/O base, 9 empty slots, RS-485 signal
<b>USB I/O Expansion Unit</b>	
USB-87P1-G CR	Remote I-87KW I/O base, 1 empty slots, USB signal
USB-87P2-G CR	Remote I-87KW I/O base, 2 empty slots, USB signal
USB-87P4-G CR	Remote I-87KW I/O base, 4 empty slots, USB signal
USB-87P8-G CR	Remote I-87KW I/O base, 8 empty slots, USB signal
<b>Note:</b> The radio I/O expansion unit has phased out.	
<b>Parallel Analog I/O Board</b>	
<b>I-8KW High Profile I/O</b>	
I-8017HW-G CR	8-ch. Diff. or 16-ch. Single-ended, 14-bit, High Speed Analog Input Module (current input requires an external 125 Ω resistor) .
I-8024W-G CR	4-ch. Isolated Analog Output Module (+/- 10 V, 0 ~ +20 mA)
<b>I-8K Low Profile I/O</b>	
I-8017H/ I-8017H-G CR	8-ch. 14-bit analog input, each channel can be different input type (V, mA) & range Differential input
I-8017HS-G CR	8-ch. 14-bit analog input, each channel can be different input type (V, mA) & range Differential or Single-ended input, module is taller than I-8017H
I-8024/ I-8024-G	4-ch. 14-bit analog output, each channel can be different output type (V,mA) & range +/- 0.1% of FSR for voltage output ; +/- 0.2% of FSR for current output
<b>Parallel Digital I/O Board</b>	
<b>I-8KW High Profile I/O</b>	
I-8037W-G CR	16-ch. Isolated Open Collector Output Module
I-8040W-G CR	32-ch. Isolated Digital Input Module
I-8040PW-G CR	32-ch. Isolated Digital Input with Low Pass Filter Module
I-8041W-G CR	32-ch. Isolated Open Collector Digital Output Module (Sink)
I-8042W-G CR	16-ch. Isolated Digital Input & 16-ch. Isolated Open Collector Digital Output Module

I-8046W-G CR	16-ch. Isolated Digital Input Module
I-8048W-G CR	8-ch. Digital Input with Interrupt Module
I-8050W-G CR	16-ch. Universal Digital I/O Module
I-8051W-G CR	16-ch. Non-Isolated Digital Input Module
I-8052W-G CR	8-ch. Differential Isolated Digital Input Module
I-8053W-G CR	16-ch. Isolated Digital Input Module
I-8053PW-G CR	16-ch. Isolated Digital Input with Low Pass Filter Module
I-8054W-G CR	8-ch. Isolated Digital Input Module & 8-ch. Isolated Open Collector Digital Output Module
I-8055W-G CR	Non-Isolated 8-ch. Digital Logic Input Module & 8-ch. Open Collector Digital Output Module
I-8056W-G CR	16-ch. Non-Isolated Open Collector Output Module
I-8057W-G CR	16-ch. Isolated Open Collector Output Module
I-8058W-G CR	8-ch. Differential Isolated Digital Input Module, Max. AC/DC Input : 250 V
I-8060W-G CR	6-ch. Relay Output Module, AC: 0.6 A @ 125 V ; 0.3 A @ 250 V, DC: 2 A @ 30 V
I-8063W-G CR	4-ch. Diff. Isolated Digital Input & 4-ch. Relay Output Module, AC : 0.6 A @ 125 V ; 0.3 A @ 250 V
I-8064W-G CR	8-ch. Power Relay Output Module, AC: 5 A @ 250 V, DC: 5 A @ 30 V
I-8068W-G CR	4-ch. Form-A, 5 A @ 250 VAC/28 Vdc & 4-ch. Form-C, 5 A (NO)/3 A (NC) @ 277 VAC/30 Vdc Relay Output Module
I-8069W-G CR	8-ch. PhotoMOS Relay Output Module, Max. AC/DC: 1 A @ 60 V
<b>I-8K Low Profile I/O</b>	
I-8037/ I-8037-G CR	16-ch. isolated open-source output
I-8040/ I-8040-G CR	32-ch. isolated digital input
I-8041/ I-8041-G CR	32-ch. isolated digital output
I-8042/ I-8042-G CR	Isolated digital 16-ch. input & 16-ch. output
I-8048/ I-8048-G CR	8-ch. digital input with interrupt
I-8050/ I-8050-G CR	16-ch. universal Digital I/O, each channel can be config as input or output (isolated)
I-8051/ I-8051-G CR	16-ch. non-isolated digital input
I-8052/ I-8052-G CR	8-ch. isolated digital input (differential)
I-8053/ I-8053-G CR	16-ch. isolated digital input
I-8054/ I-8054-G	Isolated digital 8-ch. input & 8-ch. output
I-8055/ I-8055-G CR	Non-isolated digital 8-ch. input & 8-ch. output
I-8056/ I-8056-G CR	16-ch. non-isolated O.C. output
I-8057/ I-8057-G CR	16-ch. isolated O.C. output
I-8058/ I-8058-G CR	8-ch. isolated digital input, AC/DC input, max. 250 V
I-8060/ I-8060-G CR	6-ch. relay output , AC: 125 V @ 0.6 A; 250 V @ 0.3 A, DC: 30 V @ 2 A; 110 V@0.6A
I-8063/ I-8063-G CR	Isolated digital 4-ch. input & 4-ch. relay , AC: 125 V @ 0.6 A; 250 V @0.3 A
I-8064/ I-8064-G CR	8-ch. power relay output , AC: 250 V @ 5 A, DC: 30 V @ 5 A
I-8065/ I-8065-G CR	8-ch. SSR-AC output, AC: 24 ~ 265 Vrms @1.0Arms, Max. load current: 1.0 Arms
I-8066/ I-8066-G CR	8-ch. SSR-DC output, DC: 3~30 Vdc @ 1.0 A, Max. load current: 1.0 A
I-8068/ I-8068-G CR	8-ch. relay output, AC: 120 V @0.5 A, DC:30 V @ 1 A
I-8069/ I-8069-G	8-ch. Photo Mos relay output
I-8077/ I-8077-G CR	Simulation board: 8-ch. digital input (DIP switch) & 8-ch. output (LEDs)
<b>Motion Control Board</b>	
<b>I-8KW High Profile I/O</b>	
I-8091W	2-axis stepping/servo motor control card without encorder input
I-8090W	3-axis encoder card
<b>I-8K Low Profile I/O</b>	
I-8091	2-axis stepping/servo motor control card
I-8090	3-axis encoder card
<b>Timer/Counter Board</b>	
<b>I-8KW High Profile I/O</b>	
I-8084W-G CR	4/8-ch. counter/frequency/encoder module, 32 bit , 450 kHz max.
<b>Note: It supports iPAC-8000 &amp; WinPAC-8000 controllers only.</b>	
I-8088W-G CR	8-ch. PWM Output and 8-ch. isolated DI Module

<b>I-8K Low Profile I/O</b>	
I-8080/ I-8080-G	4-ch. counter/frequency, 32 bit, 450 kHz max.
<b>RS-232/485/422, FRnet Board</b>	
<b>I-8KW High Profile I/O</b>	
I-8112iW CR	2-port Isolated RS-232 Expansion Module
I-8114W CR	4-port Non-Isolated RS-232 Expansion Module
I-8114iW CR	4-port Isolated RS-232 Expansion Module
I-8142iW CR	2-port Isolated RS-422/485 Expansion Module
I-8144iW CR	4-port Isolated RS-422/485 Expansion Module
I-8172W	2-port FRnet Module
<b>I-8K Low Profile I/O</b>	
I-8112/ I-8112-G CR	2-port RS-232 Module
I-8114/ I-8114-G CR	4-port RS-232 Module
I-8142/ I-8142-G CR	2-port RS-485/422 Module
I-8142i/ I-8142i-G	2-port isolated RS-485/422 Module
I-8144/ I-8144-G CR	4-port RS-485/422 Module
I-8172	2-port FRnet Module
<b>Serial Analog I/O Board</b>	
<b>I-87KW High Profile I/O</b>	
I-87013W CR	4-ch. , 16-bit, 10 Hz (Total), 2/3/4-wire RTD Input Module with Open Wire Detection
I-87015W-G CR	7-ch. , 16-bit, 12 Hz (Total), RTD Input Module with Open Wire Detection (for short sensor distance)
I-87015PW-G CR	7-ch. RTD Input Module with 3-wire RTD lead resistance elimination and with Open Wire Detection (for long sensor distance)
I-87017RW-G CR	8-ch. Diff. , 16/12-bit, 10/60 Hz (Total) Analog Input Module with 240 V <sub>rms</sub> Over Voltage Protection, Range of -20 mA ~ +20 mA Requires Optional External 125 Ω Resistor
I-87017RCW-G CR	8-ch. Diff. , 16/12-bit, 10/60 Hz (Total) Current Input Module
I-87017W-G CR	8-ch. Analog Input Module
I-87017W-A5-G CR	8-ch. High Voltage Input Module
I-87018RW CR	8-ch. Thermocouple Input Module. Recommend to use the better I-87018ZW.
I-87018W-G CR	8-ch. Thermocouple Input Module. Recommend to use the better I-87018ZW.
I-87018ZW-G/S CR	10-ch. Diff. , 16-bit, 10 Hz (Total), Thermocouple Input Module with 240 V <sub>rms</sub> Over Voltage Protection, Open Wire Detection, Range of +/-20 mA, 0~20 mA, 4~20 mA requires Optional External 125 Ω Resistor (include I-87018ZW module and DB-1820 daughter board)
I-87018ZW-G/S2 CR	(include I-87018ZW module ,DN-1822 daughter board and 1.8m cable)
I-87019RW-G CR	8-ch. Diff. , 16-bit, 8 Hz (Total), Universal Analog Input Module with 240 V <sub>rms</sub> Over Voltage Protection, Open Wire Detection (V, mA, Thermocouple; Range of -20 mA ~ +20 mA need to set Jumper on board)
I-87024W-G CR	4-ch. 14-bit Analog Output Module (0 ~ +5 V, +/- 5 V, 0 ~ +10 V, +/- 10 V, 0 ~ +20 mA, +4 ~ +20 mA)
I-87028CW-G CR	8-ch. 12-bit Current Output Module
<b>I-87K Low Profile I/O</b>	
I-87013/ I-87013-G CR	4-ch. RTD input (temperature measurement with broken-line detection)
I-87017/ I-87017-G CR	8-ch. analog input (V, mA)
I-87018/ I-87018-G CR	8-ch. thermocouple input
I-87022/ I-87022-G CR	2-ch. 12-bit analog output, each ch. can be different output type (V,mA) & range, support channel to channel isolation
I-87024/ I-87024-G CR	4-ch. 14-bit analog output (0 ~ +5 V, +/- 5 V, 0 ~ +10 V, +/- 10 V, 0 ~ +20 mA, +4 ~ +20 mA)
I-87026/ I-87026-G CR	2-ch. 16-bit analog output, each channel can be different output type (V,mA) & range, support channel to channel isolation
<b>Serial Digital I/O Board</b>	
<b>I-87KW High Profile I/O</b>	

I-87040W-G CR	32-ch. Isolated Digital Input Module
I-87041W-G CR	32-ch. Sink Type Open Collector Isolated Digital Output Module
I-87046W	16-ch. Non-Isolated Digital Input Module for Long Distance Measurement
I-87051W-G CR	16-ch. Non-Isolated Digital Input Module
I-87052W-G CR	8-ch. Diff. , Isolated Digital Input Module
I-87053PW-G CR	16-ch. Isolated Digital Input Module with 16-bit Counters
I-87053W-G CR	16-ch. Isolated Digital Input Module
I-87053W-A5-G	16-ch. 68 ~ 150 Vdc Isolated Digital Input Module
I-87054W-G	Isolated 8-ch. DI and 8-ch. Open Collector DO Module
I-87055W-G CR	Non-Isolated 8-ch. DI and 8-ch. Open Collector DO Module
I-87057W-G CR	16-ch. Open Collector Isolated Digital Output Module
I-87058W-G CR	8-ch. 80 ~ 250 VAC Isolated Digital Input Module
I-87059W-G CR	8-ch. Differential 10 ~ 80 VAC Isolated Digital Input Module
I-87063W-G CR	4-ch. Diff. Isolated Digital Input and 4-ch. Relay Output Module. 5 A (NO)/3 A(NC) @ 5 ~ 24 VDC ; 5 A(NO)/3 A(NC) @ 0 ~ 250 VAC
I-87064W-G CR	8-ch. Relay Output Module, 5 A (47~63 Hz) @ 0~ 250 VAC ; 5 A @ 0~ 30 VDC
I-87065W-G CR	8-ch. AC SSR Output Module, AC: 1.0 Arms @ 24 ~ 265 Vrms
I-87066W-G CR	8-ch. DC SSR Output Module , DC: 1.0 Arms @ 3 ~ 30 VDC
I-87068W-G CR	4-ch. Form A Relay Output and 4-ch. Form C Relay Output Module Form A: 8 A @ 250 VAC ; 8 A @ 28 VDC ; Form C: 5 A (NO)/3 A (NC) @ 277 VAC ; 5 A(NO )/3 A(NC) @ 30 VAC
I-87069W-G CR	8-ch. PhotoMOS Relay Output Module, Max. AC/DC: 0.13 A @ 350 V
<b>I-87K Low Profile I/O</b>	
I-87040/ I-87040-G CR	32-ch. isolated digital input
I-87041/ I-87041-G CR	32-ch. isolated digital output
I-87051/ I-87051-G CR	16-ch. non-isolated digital input
I-87052/ I-87052-G	8-ch. isolated digital input (differential)
I-87053/ I-87053-G CR	16-ch. isolated digital input
I-87054/ I-87054-G CR	Isolated digital 8-ch. input & 8-ch. output
I-87055/ I-87055-G	Non-isolated digital 8ch. input & 8ch. output
I-87057/ I-87057-G CR	16-ch. isolated O.C. output
I-87058/ I-87058-G CR	8-ch. isolated digital input, AC/DC input, max. 250 V
I-87063/ I-87063-G CR	Isolated digital 4-ch. input & 4-ch. relay, AC: 125 V @0.6A; 250 V @0.3A DC: 30 V @2A; 110 V@0.6A
I-87064/ I-87064-G CR	8-ch. power relay output, AC: 250 V @5A, DC:30 V @5A
I-87065/ I-87065-G CR	8-ch. SSR-AC output, AC: 24 ~ 265 Vrms @1.0 Arms, Max. load current: 1.0 Arms
I-87066/ I-87066-G CR	8-ch. SSR-DC output, DC: 3-30 VDC @ 1A, Max. load current: 1.0 A
I-87068/ I-87068-G CR	8-ch. relay output, AC: 120 V @ 0.5 A, DC:30 V @1 A
I-87069/ I-87069-G	8-ch. photo Mos relay
<b>Counter/Frequency Board</b>	
<b>I-87KW High Profile I/O</b>	
I-87082W-G CR	2-ch. Counter/Frequency Module, 32 bit , 100 kHz max.
<b>I-87K Low Profile I/O</b>	
I-87082/ I-87082-G	2-ch. Counter/Frequency Module, 32 bit , 100 kHz max.
<b>GPS Module</b>	
I-87211W	Time-Synchronization and GPS module for getting UTC / local time and local
<b>Converter &amp; Repeater</b>	
PCISA-7520R CR	PCI/ISA bus RS-232 to RS-485 card
PCISA-7520AR CR	PCI/ISA bus RS-232 to RS-485/422 card
I-7520 CR	RS-232 to RS-485 converter
I-7520R CR	I-7520 with 3000 Vdc isolation at RS-485 side
I-7520A CR	RS-232 to RS-422/RS-485 converter
I-7520AR CR	I-7520A with 3000 Vdc isolation at RS-422/485 side
I-7560 CR	USB to RS-232 Converter
I-7561 CR	USB to RS-232/422/485 Converter
I-7563 CR	USB to 1-ch RS-485 converter with a three way RS-485 Hub (isolated)
I-7510 CR	RS-485 isolated repeater



I-7510A CR	RS-485/RS-422 isolated repeater
I-7510AR CR	Three way Isolated RS-422/485 Repeater
<b>RS-485 Hub</b>	
I-7513 CR	3-way isolated RS-485 to 3-port RS-485 hub
<b>Man Machine Interface</b>	
Touch506L	5.7" 4-Gray STN Panel display with touch
Touch506T	5.6" 256-color TFT panel LCD Display with Touch
Touch510T	10.4" Color TFT Panel Display With Touch
<b>Wireless Modem</b>	
SST-2450	Wireless Modem Module with RS-232/RS-485 Interface
<b>I-7000 Analog I/O Module</b>	
I-7011P/ I-7011PD CR	1-ch. thermo-couple input (16-bit), 1-ch. D/I & 2-ch. D/O, enhanced version of I-7011/ I-7011D
I-7012/ I-7012D CR	1-ch. analog input (16-bit), 1-ch. D/I & 2-ch. D/O
I-7012F/ I-7012FD CR	High speed version of I-7012 (12-bit), normal 16-bit
I-7013/ I-7013D CR	1-ch. RTD input (16-bit) temperature measurement with broken-line detection
I-7014D CR	1-ch. analog/transmitter input (16-bit) with display, 1-ch. D/I & 2-ch. D/O
I-7015 CR	6-ch. 2-or-3 wire RTD input (16-bit) temperature measurement with broken-line detection
I-7015P CR	6-ch. RTD Input Module with 3-wire RTD lead resistance elimination
I-7016/ I-7016D CR	2-ch. strained gauge input (16-bit), 1-ch. D/I & 4-ch. D/O
I-7016P/ I-7016PD CR	1-ch. strained gauge input for longer cable length (16-bit), 1-ch. D/I & 4-ch. D/O
I-7017 CR	8-ch. analog input (16-bit), support voltage input and current input
I-7017F CR	8-ch. Analog Input Module (fast sampling version)
I-7017C CR	I-7017 with current input only (+/- 20 mA)
I-7017FC CR	8-ch. Current Input Module (fast sampling version)
I-7017R CR	8-ch. analog input (16-bit), support voltage input and current input, Robust & high speed version of I-7017, higher Over voltage protection: (240 V <sub>rms</sub> )
I-7017R-A5-G CR	8-ch. High Voltage Input Module with CA-5810 x 2
I-7017RC CR	I-7017R with current input only (+/- 20 mA)
I-7017Z-G CR	10/20-ch. Analog Input Module with High Voltage Protection
I-7018 CR	8-ch. thermocouple input (16-bit)
I-7018BL CR	I-7018 with temperature broken-line detection
I-7018P CR	8-ch. thermocouple input (16-bit), add 2 thermo-input type: L, M
I-7018R CR	Enhanced version of I-7018P with temperature broken-line detection & higher Over voltage protection: (240 V <sub>rms</sub> )
I-7018Z-G/S CR	10-ch. Thermocouple Input Module with High Voltage Protection include I-7018Z module and DB-1820 daughter board
I-7018Z-G/S2 CR	10-ch. Thermocouple Input Module with High Voltage Protection include I-7018Z module, DN-1822 daughter board and 1.8m cable
I-7019R CR	8-ch. universal analog input, (voltage, current & Thermocouple), higher Over voltage protection: (240 V <sub>rms</sub> ), each channel can be different input type and range (temperature measurement with broken-line detection)
I-7021 CR	1-ch. analog output (12-bit)
I-7021P CR	1-ch. analog output (16-bit)
I-7022 CR	2-ch. analog output (12-bit), each channel can be different output type (V, mA) & range
I-7024 CR	4-ch. analog output (14-bit)
I-7033/ I-7033D CR	3-ch. RTD input (16-bit) temperature measurement with broken-line detection
<b>I-7000 Digital I/O Module</b>	
I-7041/ I-7041D CR	14-ch. Isolated Digital Input Module with 16-bit Counters On Voltage Level: +4 ~ +30V; Off Voltage Level: +1V Max
I-7041P/ I-7041PD CR	14-ch. Isolated Digital Input Module with 16-bit Counters On Voltage Level: +19 Vdc ~ +30 Vdc ; Off Voltage Level: +11 Vdc Max

I-7042/ I-7042D CR	13-ch. isolated O.C. output
I-7043/ I-7043D CR	16-ch. non-isolated O.C. output
I-7044/ I-7044D CR	Isolated digital 4-ch. input & 8-ch. output
I-7045/ I-7045D CR	16-ch. Isolated digital output
I-7050/ I-7050D CR	Non-isolated 7-ch. digital input (sink) & 8-ch. output
I-7050A/ I-7050AD CR	7 digital input & 8 output (current source)
I-7051/ I-7051D CR	16-ch. Isolated Digital Input Module with 16-bit Counters
I-7052/ I-7052D CR	8-ch. isolated digital input (6 differential + 2 single end)
I-7053/ I-7053D CR	Non-isolated 16-ch. digital input
I-7053 FG/ I-7053D_FG CR	16-ch. Non-Isolated Digital Input Module with 16-bit Counters
I-7055/ I-7055D CR	8-ch. isolated input & 8-ch. isolated output
I-7058/ I-7058D CR	8-ch. 80-250VAC Isolated Digital Input Module with 16-bit Counters
I-7060/ I-7060D CR	4-ch. isolated input & 4-ch. relay output, AC: 125 V @ 0.6 A; 250 V @ 0.3 A, DC: 30 V @ 2 A; 110 V @ 0.6 A
I-7063/ I-7063D CR	8-ch. isolated input & 3-ch. power relay, AC: 250 V @ 5 A, DC: 30 V @ 5 A
I-7063A/ I-7063AD CR	8-ch. isolated input & 3-ch. AC-SSR output, AC: 24~ 265 Vrms @ 1.0 Arms, Max. Load current 1.0 Arms
I-7063B/ I-7063BD CR	8-ch. isolated input & 3ch. DC-SSR output, DC: 3~ 30 VDC @ 1.0 Arms, Max. Load current 1.0 Arms
I-7065/ I-7065D CR	4-ch. isolated input & 5-ch. power relay, AC: 250 VAC @ 5 A, DC: 30 V @ 5 A
I-7065A/ I-7065AD CR	4-ch. isolated input & 5-ch. AC-SSR relay, AC: 24~ 265 Vrms @ 1.0Arms, Max. Load current 1.0 Arms
I-7065B/ I-7065BD CR	4-ch. isolated input & 5-ch. DC-SSR relay, DC: 3~ 30 VDC @ 1.0Arms, Max. Load current 1.0 Arms
I-7066/ I-7066D CR	7-ch. Photo Mos relay output
I-7067/ I-7067D CR	7-ch. relay output, AC 120 V @ 0.5 A, DC 24 V @ 1 A
<b>I-7000 Counter Module</b>	
I-7080/ I-7080D CR	2 high speed counter/frequency input (32-bit), 100 kHz max.
I-7080B-G/ I-7080BD-G CR	2 independent 32-bit counters, Battery backup counter/frequency input module
I-7083-G/ I-7083D-G CR	3-axis, 32 bits encoder counter
I-7083B-G/ I-7083BD-G CR	3-axis, 32 bits encoder counter, Built-in Virtual Battery Back Up for Counter Value
<b>X-board (parallel I/O)</b>	
X107 CR	Non-isolated 6-ch. D/I and 7-ch. D/O
X109	Isolated 7-ch. PhotoMOS Relay
X110 CR	Non-isolated 14-ch. D/I
X111	Non-isolated 13-ch. D/O
X202	Non-isolated 7-ch. A/D (0~20 mA, 12-bit)
X203	Non-isolated 2-ch. A/D (0~20 mA, 12-bit), 2-ch. D/I, 6-ch. D/O
X303	Non-isolated 1-ch. A/D (+/-5 V, 12-bit), 1-ch. D/A (+/-5 V, 12-bit), 4-ch. D/I, 6-ch. D/O
X304 CR	Non-isolated 3-ch. A/D (+/-5 V, 12-bit), 1-ch. D/A (+/-5 V, 12-bit), 4-ch. D/I, 4-ch. D/O
X305	Non-isolated 7-ch. A/D (+/-5 V, 12-bit), 1-ch. D/A (+/-5 V, 12-bit), 2-ch. D/I, 2-ch. D/O
X308	Non-isolated 4-ch. A/D (+/-10 V, 12-bit), 6-ch. D/O
X310	Non-isolated 2-ch. A/D, ch.0:(0~20 mA, 12-bit), ch.1: A/D (0~10 V, 12-bit) 2-ch. D/A (0~10 V, 12-bit), 3-ch. D/I, 3-ch. D/O
<b>X-board (RS-232/422/485)</b>	
X503	1-port RS-232 (5-pin)
X504 CR	2-port RS-232, one is 5-pin , one is 9-pin
X505 CR	3-port RS-232 (5-pin)
X506 CR	6-port RS-232 (3-pin)
X507 CR	1-port RS-422/485, Non-isolated 4-ch. D/I, 4-ch. D/O
X508 CR	1-port RS-232 (5-pin), Non-isolated 4-ch. D/I, 4-ch. D/O
X509 CR	2-port RS-232 (3-pin), Non-isolated 4-ch. D/I, 4-ch. D/O
X511 CR	3-port RS-485
X518 CR	1-port RS-232 (5-pin), Non-isolated 8-ch. D/O

<b>X-board (Battery backup SRAM)</b>	<b>For µ7186EG, I-7188XG &amp; I-7188EG</b>
X607 CR	128 KB battery backup SRAM
X608 CR	512 KB battery backup SRAM
<b>Industrial Ethernet Switch</b>	
NS-205 CR	Unmanaged 5-port Industrial 10/100 Base-T Ethernet Switch
NS-208 CR	Unmanaged 8-port Industrial 10/100 Base-T Ethernet Switch
NS-205G CR	Unmanaged 8-port Industrial 10/100/1000 Base-T Ethernet Switch
NSM-208AG CR	Unmanaged 8-port Industrial 10/100/1000 Base-T Ethernet Switch With Power Input +12 ~ 48 Vdc
<b>MMICON</b>	
MMICON/LCD	Man-machine interface : 240x64 dots LCD Display
MMICON/Learning Kit	Man-machine interface : 240x64 dots LCD Display + 4x4 Keyboard
<b>GSM Modem</b>	
Supreme	850/900/1800/1900 GSM/GPRS External Modem
<b>Phased Out</b>	
I-8437/ I-8437-G	ISaGRAF I-8000 Ethernet controller, 4 empty slots (Support battery backup retain variables & memory if a S256/S512 is plug in the back plane)
I-8837/ I-8837-G	ISaGRAF I-8000 Ethernet controller, 8 empty slots (Support battery backup retain variables & memory if a S256/S512 is plug in the back plane)
W-8037/ W-8037-G	ISaGRAF WinCon-8000 controller, No I/O slot ( <b>No</b> support battery backup retain variables & memory : S256/S512)
W-8337/ W-8337-G	Ethernet ISaGRAF WinCon-8000 controller (Intel Strong ARM CPU, 206 MHz, 10 Mbps), 3 empty slots (Support battery backup retain variables & memory if a S256/S512 is plug in the back plane)
W-8737/ W-8737-G	Ethernet ISaGRAF WinCon-8000 controller (Intel Strong ARM CPU, 206 MHz, 10 Mbps), 7 empty slots (Support battery backup retain variables & memory if a S256/S512 is plug in the back plane)
W-8047/ W-8047-G	ISaGRAF WinCon-8000 controller with Dual 10/100M Ethernet ports, No I/O slot ( <b>No</b> support battery backup retain variables : S256/S512)
Touch506S	5.7" Color STN Panel display with touch
M1206	900/1800 GSM/GPRS External Modem
GM29	900/1800 GSM/GPRS External Modem