

ViewPAC-2117 Series *ISaGRAF* SoftLogic ViewPAC



VP-2117
VP-2117-TC



- ISaGRAF Ver.3 SoftLogic Inside
- Support IEC 61131-3 Standard
- MiniOS7 Inside
- IP65 Compliant Front Panel: one 3.5" STN LCD
- CPU: 80186 80 MHz (16-bit)
- Large SRAM: 768 KB
- FLASH Memory: 512 KB
- 64 MB NAND Flash: data storage
- Dual Battery Backup SRAM: 512 KB
- I/O Slots: 3 Slots
Hot-Swap I-87K High Profile Card
- RS-232/485 Serial Ports x 3
- Ethernet Port x 1
- Rubber Keypad: 24 Keys

ViewPAC series VP-2117 is the ISaGRAF PAC with graphic display and keypad. It is equipped with an 80186 CPU (16-bit and 80 MHz) running a MiniOS7 operating system, a STN LCD, a rubber keypad, 3 I/O slots, and various connectivity including Ethernet and RS-232/485, etc.

Its operating system, MiniOS7, can boot up in a very short time (0.4 ~ 0.8 seconds). It has a built-in hardware diagnostic function, and supports the full range of functions required to access all high profile I-8K and I-87K series I/O modules, such as DI, DO, DI/DO, AI, AO, Counter/Frequency, motion control modules, etc. Users can also choose RS-485 Remote I/O modules (I-7000 series) or expansion units (RU-87Pn or I-87Kn) plugged with high profile I-87K serial I/O modules.

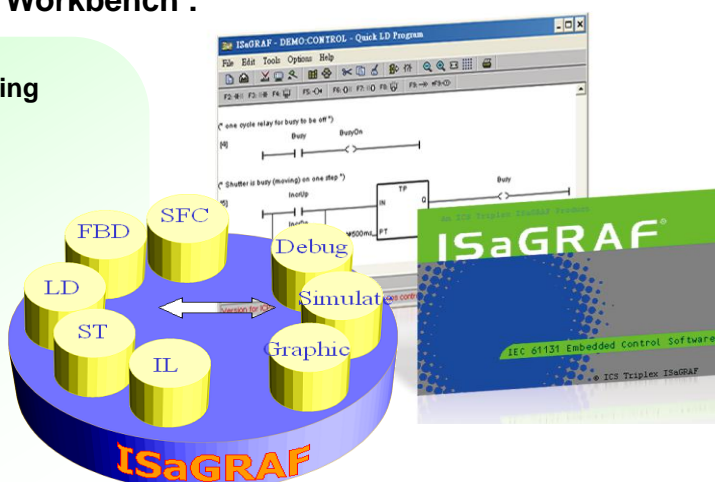
Compared with traditional HMI + PLC solutions, ViewPAC reduces overall system cost, space and gives you all the best features of HMIs and PLCs.

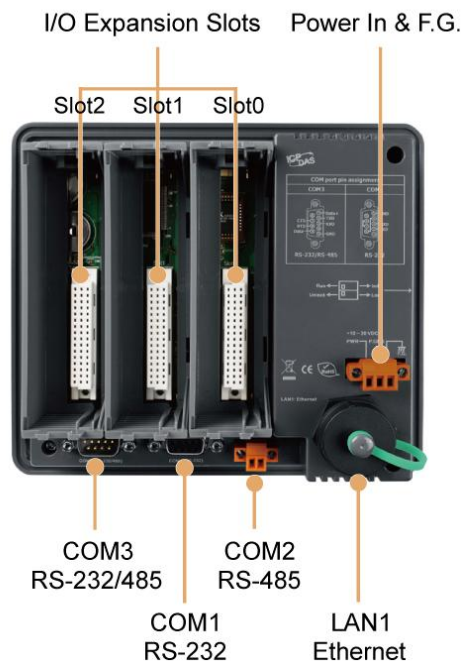
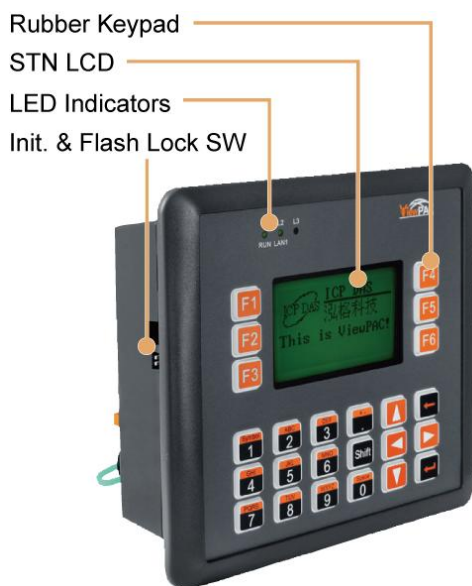
The ISaGRAF PAC supports ISaGRAF Ver.3 Workbench :

● IEC 61131-3 Standard Open PLC Programming Languages + Flow Chart:

- | | |
|-----------|-------------------|
| 1. Ladder | 2. Function Block |
| 3. SFC | 4. ST |
| 5. IL | 6. Flow Chart. |

- Auto-Scan I/O
- On-line debugging
- On-line control / monitoring
- Off-line simulation
- Simple graphic HMI





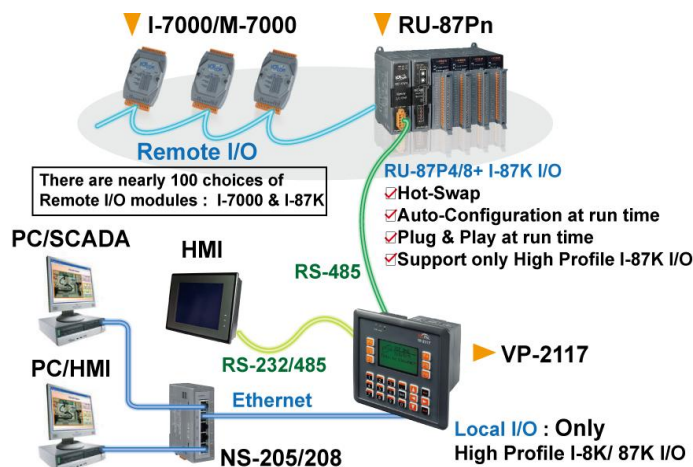
Hardware Features:

- ☑ **Powerful CPU Module**
 - 80186 (80 MHz and 16-bit) or compatible
- ☑ **IP65 Compliant Front Panel**
- ☑ **MMI (Man Machine Interface)**
 - **3.5" STN LCD:** 128 x 64 Dot Matrix LCD
 - **English + Traditional/Simplified Chinese**
 - **Text + Graphics Display Mode**
 - **Rubber Keypad with 24 keys**
 - **One Buzzer**
 - **3 Dual-Color LED Indicators**
- ☑ **3 Slots for High Profile I/O Modules**
- ☑ **I/O Module Hot-Swap Ability**
 - Plug & play for I-87K High Profile I/O Card
- ☑ **64-bit Hardware Serial Number**
 - Unique
 - Protect software / applications
- ☑ **Build-in NAND Flash Disk: 64MB**
 - 100,000 erase/write cycles
- ☑ **Dual Battery-Backup SRAM: 512 KB**
 - Retain the data for 5 years while power off
- ☑ **Rich I/O Expansion Ability**
 - Ethernet
 - RS-232
 - RS-485
 - RS-422
 - FRnet
 - CAN
- ☑ **Operating Temperature: -15°C ~ +55°C**
Storage Temperature: -30°C ~ +80°C

Software Features:

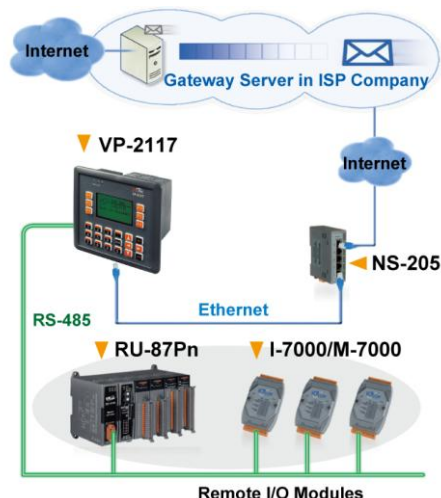
- ☑ **Development Software: ISaGRAF Ver.3**
 - ISaGRAF Version 3
 - Running on Windows 95/98/NT/2000/XP/Vista/Windows 7
 - All-in-one design environment
 - Provide **6** PLC syntaxes
(5 IEC 61131-3 Standard + 1 Flow Chart)
 - Max. **64 KB** ISaGRAF code size
 - Support off-line simulation
 - On-line debugging, monitoring and control
 - Easy integrating to HMI/SCADA/MMI
- ☑ **OS: MiniOS7**
- ☑ **Modbus Master**
 - RTU, ASCII, RS-232/485/422 (Max. 2 ports)
- ☑ **Modbus RTU/TCP Slave**
 - Modbus RTU (RS-232/485/422) Slave (Max. 2 ports)
 - Modbus TCP/IP Slave (Max. 6 connections)
- ☑ **Support Data-Recorder & Data-Logger**
- ☑ **Data Exchange**
 - Ebus: Through Ethernet
 - Fbus: Through RS-485
 - PAC to PAC
- ☑ **CAN/CANopen**
 - Via I-7530 to connect CAN/CANopen devices
- ☑ **Fast FRnet Remote I/O (Via I-8172W)**
- ☑ **Motion Control**
- ☑ **Send Email – with/without a File**
- ☑ **SMS: Short Message Service**
 - GSM modem : GTM-201-RS232
- ☑ **Wireless Communication: ZigBee & Radio Wireless**
- ☑ **Auto-report Acquisition/Control Data**
- ☑ **VW Solutions (Stress Monitoring)**

Local / Remote I/O Application



Send Email with One Attached File

More at www.icpdas.com > FAQ > Software > ISaGRAF Ver.3 (English) - 067



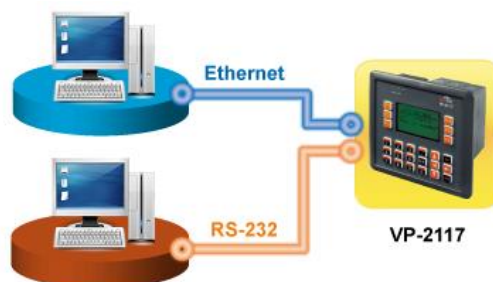
SMS: Short Message Service

- Short message can be sent in multiple language format (like Chinese, English... others)
- More at www.icpdas.com > FAQ > Software > ISaGRAF Ver.3 (English) - 111



Data-Recorder & Data-Logger

- Data, date & time can be stored in Dual Battery Backup SRAM and FDisk, and then PC can load these data via RS-232 or Ethernet.



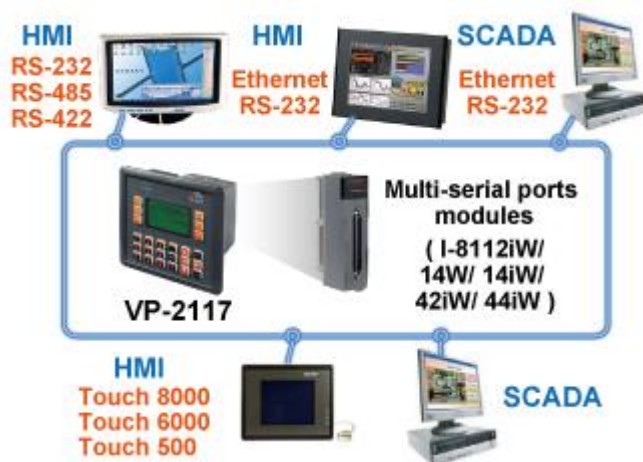
Modbus Master : RTU, ASCII, RS-232/485/422

- Support up to 2 ports: COM1, COM2, COM3 or (COM5, if plugged one I-8112iW/ 14W/ 14iW/ 42iW/ 44iW expansion board)
- Can link to Modbus PLC or M-7000 I/O or Modbus devices. (Power meter, temperature controller, inverter etc.)



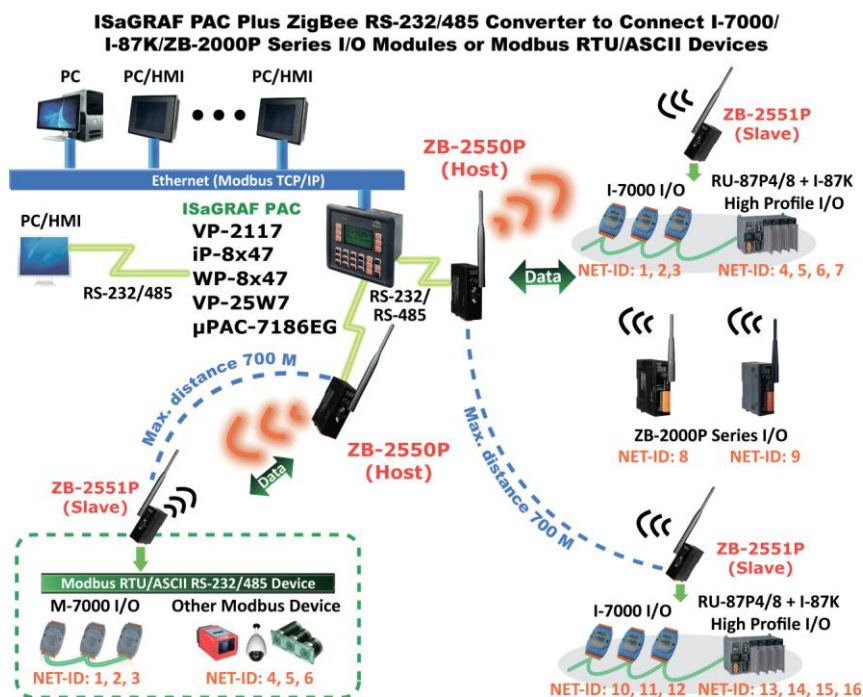
Modbus Slave : RTU / TCP

- Modbus RTU (RS-232/485/422) Slave: max. 2 ports
- Modbus TCP/IP Slave: max. 6 connections



● ZigBee Wireless Solution

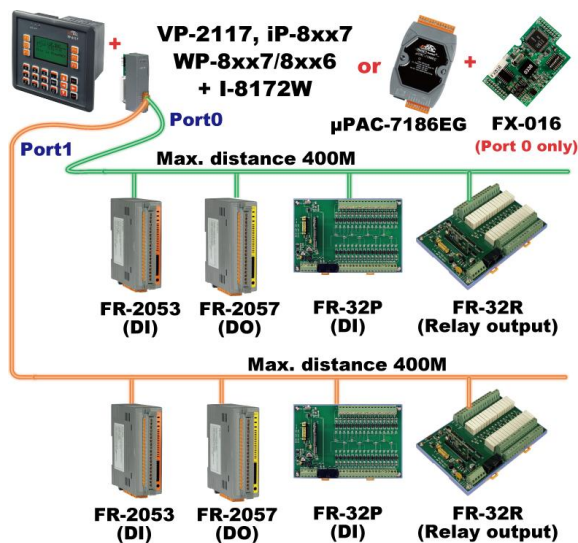
- ISaGRAF ViewPAC plus ZB-2550P/ZB-2551P converters (ZigBee to RS-232/485) can apply wireless communication, reduce the wiring cost, and achieve the mission of remote I/O control and data acquisition.



● Fast FRnet Remote I/O

Advantage of FRnet I/O: Fast I/O scan time is about 3 ms/scan. (It depends on your program's PLC scan time. Ex: If the ISaGRAF program's PLC scan time is about 9 ms, then the scan time for all will be 9 ms, not 3 ms)

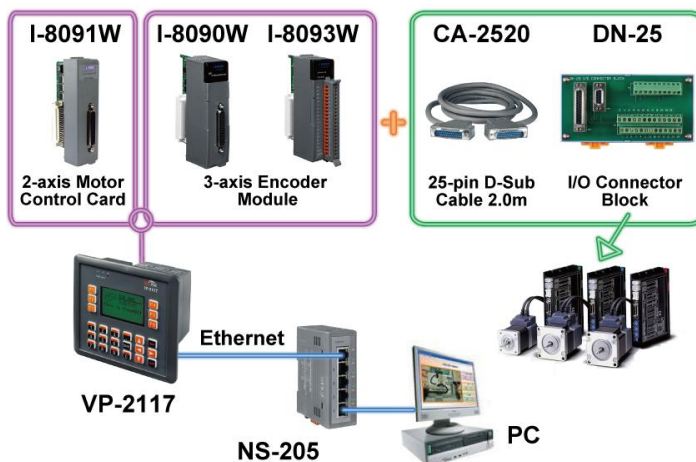
Note: FRnet I/O do not support AI & AO yet.



More at www.icpdas.com > [FAQ](#) > [Software](#) > [ISaGRAF Ver.3 \(English\) - 082](#)

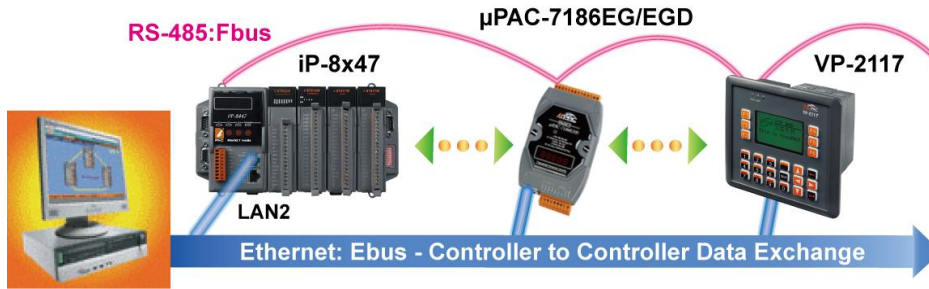
● Motion Control

- One I-8091W can control 2 axes: X-Y plane, or 2 axes independent
- Two I-8091W can control 4 axes: X-Y plane + 2 axes independent, or 4 axes independent
- Encoder Modules
 - I-8093W: 3-axis ([FAQ-112](#))
 - I-8084W: 4-axis, without Z-index ([FAQ-100](#))
 - I-8090W: 3-axis



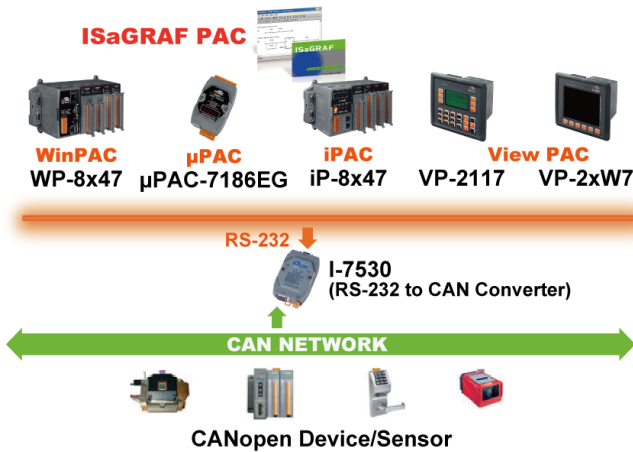
● Data Exchange

VP-2117 can support Ebus (Ethernet) and Fbus (RS-485)



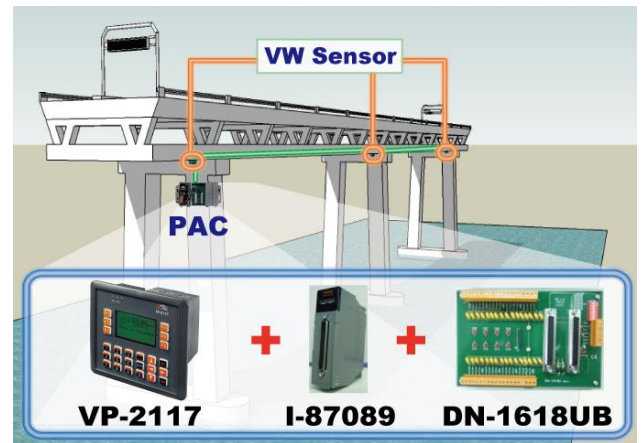
- **Integrate with CAN/CANopen Devices & Sensors**

- VP-2117 supports max. 3 I-7530 (RS-232 to CAN Converter)
- Please refer to www.icpdas.com > FAQ > Software > ISaGRAF Ver.3 (English) > 086



● Stress Monitoring Application of Constructions

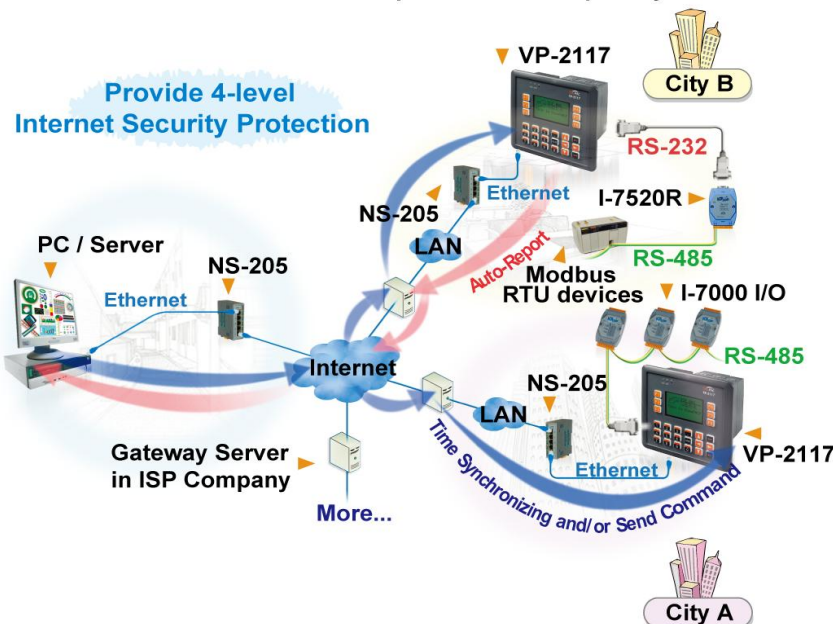
[More at www.icpdas.com](http://www.icpdas.com) > [FAQ](#) > [Software](#) > [ISaGRAF](#)
Ver.3 (English) - 091



Auto-report Acquisition & Control Data

VP-2117 can use UDP IP Client to auto-report acquisition data & control data to local or remote internet PC/Server.
Advantage : Every PAC in the different location doesn't need a fixed Internet IP

Stable and Cost-effective Data Acquisition Auto-Report System



More at www.icpdas.com >
FAQ > Software > ISaGRAF
Ver.3 (English) - 065

Models	VP-2117	VP-2117-TC
■ System Software		
OS	MiniOS7 (DOS-like embedded operating system)	
■ Development Software		
ISaGRAF Version 3	IEC 61131-3 standard. Languages: LD, ST, FBD, SFC, IL & FC	
Max. Code Size	Accepts max. 64 KB ISaGRAF code size (Appli.x8m must < 64 KB)	
■ Power Supply		
Power Input	+10 ~ +30 VDC	
Isolated	1 kV	
Redundant Power Inputs	Yes, with one power relay (1 A @ 24 VDC) for alarm	
Capacity	3A, 5V supply to I/O expansion slots	
Consumption	6 W (0.25 A @ 24 V)	
■ General Environment		
Temperature	Operating: -15 ~ +55 °C Storage : -30 ~ +80 °C	
Humidity	10 ~ 90 % RH (non-condensing)	
■ System		
CPU	80186 (80 MHz and 16-bit) or compatible	
SRAM	768 KB	
Dual Battery Backup SRAM	512 KB (for 5 years data retention), support up to 1024 retain variables	
Flash	512 KB (100,000 erase/write cycles)	
Flash Disk	64 MB NAND Flash (100,000 erase/write cycles)	
NVRAM	31 bytes (battery backup, data valid up to 5 year)	
EEPROM	16 KB (data retention > 40 years ; 1,000,000 erase/write cycles)	
Watchdog Timer	Yes, Default=0.8s	
RTC (Real Time Clock)	Provide second, minute, hour, date, day of week, month & year	
Serial Number	64-bit hardware serial (The user can add a check mechanism to protect program);	
■ Communication Interface		
Ethernet	RJ-45*1, 10/100 Base-TX, (Auto-negotiating, LED indicators), program download port.	
COM1	RS-232: TxD, RxD, GND, Speed: 115200 bps max. Program downloads port.	
COM2	RS-485: D+, D- ; Speed: 115200 bps max. 2500 VDC isolated.	
COM3	RS-232/RS-485, RS-232:TxD,RxD,GND,CTS,RTS ; RS-485:DATA+,DATA-, Speed: 115200 bps max. Program downloads port.	
■ I/O Expansion Slots		
Slots Number	3 (For High Profile I-8K and I-87K Modules only)	
Hot Swap	Yes (For High Profile I-87K Modules Only)	
Data Bus	8/16 Bits	
Address Bus Range	2 K for each slot	
■ MMI (Man Machine Interface)		
LCD Type and Size	STN, 128x64 Dot Matrix LCD	
Text Font	English + Simplified Chinese	English + Traditional Chinese
Display Mode	Text + Graphics	
Rubber Keypad	24 keys	
Buzzer	Yes	
LED Indicators	3 Dual-Color LEDs (PWR, RUN, LAN1, L1, L2, L3; L1~L3 for User Programmable)	
■ Mechanical		
Dimensions (W x L x H)	182 mm x 158 mm x 125 mm	
Ingress Protection	Front panel: IP65	

■ Motion Control

one I-8091W (2-axis) or two I-8091W (4-axis) to do motion control. Ethernet communication is also available when doing motion control.

■ PWM Output

High Speed PWM Module	I-8088W, 8-ch PWM outputs. software support 1 Hz ~ 100 kHz (non-continuous), duty: 0.1 ~ 99.9%
DO Module as PWM	8-ch max. for one controller. 500 Hz max. for Off=1 & On=1 ms Output square wave: Off: 1 ~ 32767 ms, On: 1 ~ 32767 ms Optional DO boards: I-8037W, 8041W, 8041AW, 8042W, 8050W, 8054W, 8055W, 8056W, 8057W, 8060W, 8063W, 8064W, 8068W, 8069W (Relay Output boards can not generate fast square wave)

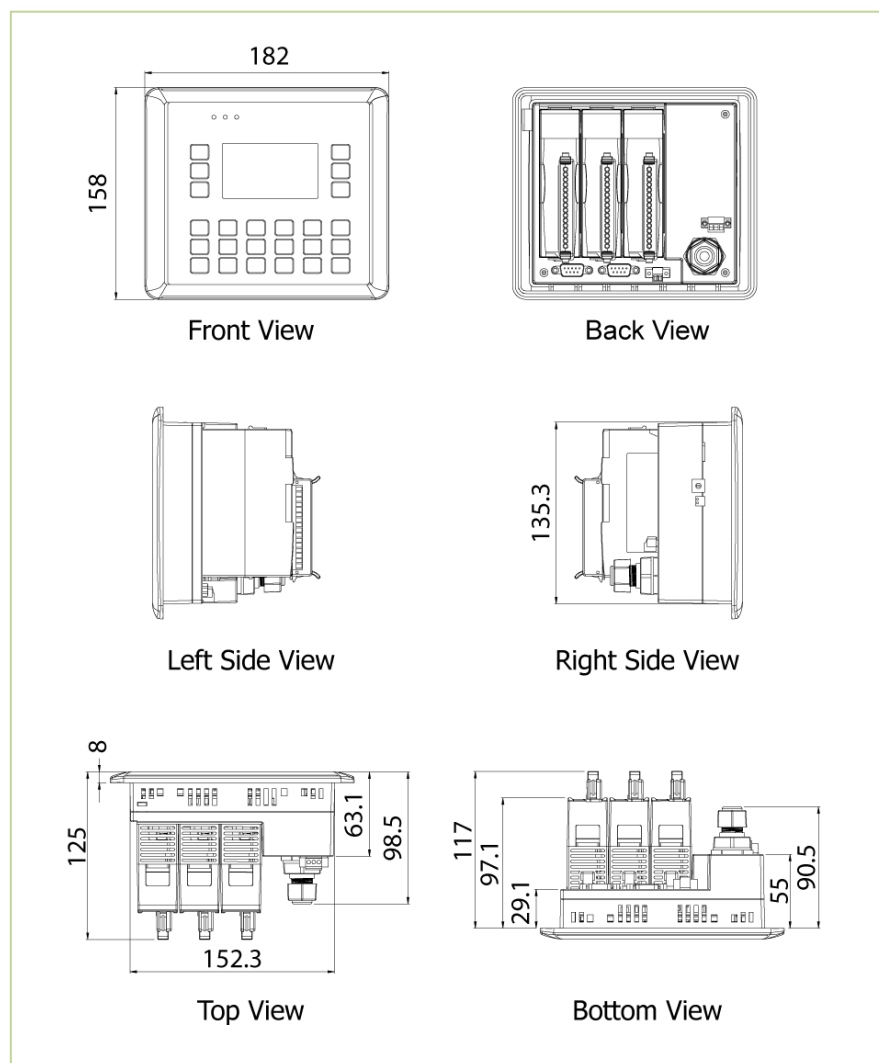
■ Counters , Encoder, Frequency

Parallel DI Counter	8-ch max. for 1 controller. Counter Val: 32-bit. 500 Hz max. Min. ON & OFF width must >1ms. Optional DI boards: I-8040W, 8040PW, 8042W, 8050W, 8051W, 8052W, 8053W, 8053PW, 8054W, 8055W, 8058W, 8063W.
Serial DI Counter	Counter input: 100 Hz max. Counter value: 0 ~ 65535 (16-bit) Optional serial I-87K DI boards: I-87040W, 87046W, 87051W, 87052W, 87053W, 87053W-A5, 87054W, 87055W, 87058W, 87059W, 87063W
Remote DI Counter	All I-7000 & I-87K DI modules support counters. 100 Hz max. value: 0 ~ 65535
High Speed Counter	I-87082W: 100 kHz max. 32-bit, I-8084W : 250 kHz max. 32-bit
Encoder	I-8093W : 3-axis Encoder Module, max. 1M Hz for quadrant input mode, max. 4M Hz for pulse/direction and cw/ccw input mode. (FAQ-112) I-8084W: 250 kHz max. , 4-ch encoder, can be pulse/direction, or Up/Down or A/B phase (Quad. mode); Not support Encoder Z-index. (FAQ-100)
Frequency	I-87082W: 2-ch, 1 Hz ~ 100 kHz; I-8084W: 8-ch, 1 Hz ~ 250 kHz;

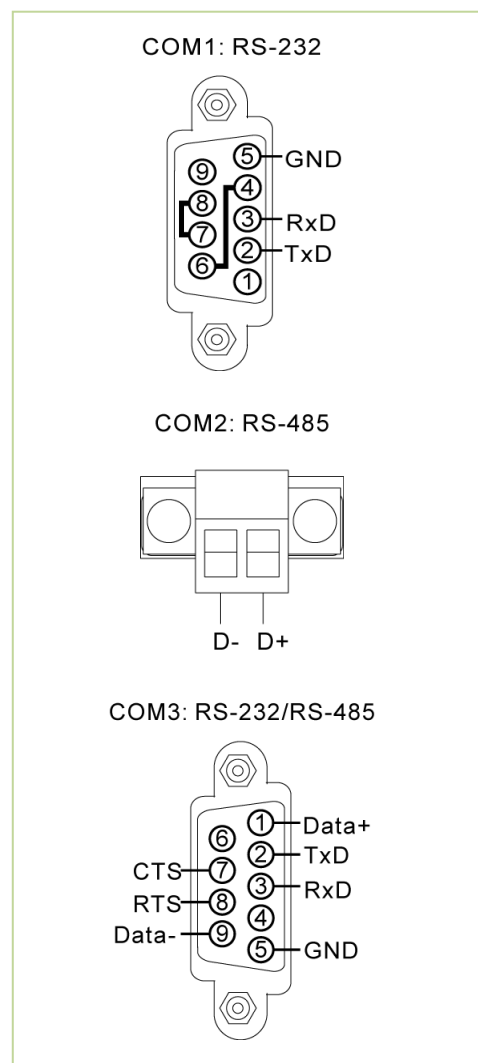
■ Protocols

Modbus Master Protocol	Up to 2 COM Ports ; COM1 ~ 3 (& COM5 in multi serial port board) can support Modbus RTU Master or ASCII Master protocol to connect to other Modbus Slave devices, 2 ports support up to 128 Modbus_xxx function blocks (same type).
Modbus Slave Protocol	Up to 2 COM Ports, COM1 and one of (COM2, COM3) can support Modbus RTU Slave protocol for connecting ISaGRAF, PC/HMI/OPC Server & MMI panels.
Modbus TCP/IP Protocol	Support Modbus TCP/IP Slave protocol for connecting ISaGRAF & PC/HMI. (Max. 6 connections)
Remote I/O	One of COM2, 3 supports I-7000 I/O modules & (I-87K base or RU-87P1/2/4/8) + I-87K High Profile I/O cards as Remote I/O. Max. 64 Remote I/O module for one controller
Fbus	Built-in COM3 Port to exchange data between ICP DAS's ISaGRAF PACs.
Ebus	To exchange data between ICP DAS's ISaGRAF Ethernet PACs via Ethernet Port.
SMS: Short Message Service	One of COM3 or (COM5 in multi serial port board) can link to a GSM Modem to support SMS. User can request data/control the controller by cellular phone. The controller can also send data & alarms to user's cellular phone. Optional GSM Modem: GTM-201-RS232 (850/900/1800/1900 GSM/GPRS External Modem) or visit to http://www.icpdas.com/products/GSM_GPRS/wireless/GSM_GPRS_modem.htm for recommended GSM/GPRS Modem
User Defined Protocol	User can write his own protocol applied at COM1 ~ COM3 (& COM5 ~ COM16 if multi-serial port boards are plugged) by serial communication function blocks.
CAN/CANopen	Up to 3 COM Port. User can use its COM1, 3, or (COM5 ~ COM12, resides at the I-8112iW/8114W/8114iW RS-232 expansion board) to connect one I-7530 (RS-232 to CAN converter) to support CAN/CANopen devices and sensors. One VP-2117 supports max. 3 RS-232 Ports to connect max. 3 I-7530. Please refer to www.icpdas.com > FAQ > Software > ISaGRAF Ver.3 (English) > FAQ-086.
FRnet I/O	Support max. 3 I-8172W FRnet Master cards to connect FRnet I/O modules. (max. 768-ch D/I + 768-ch D/O)
Sending E-Mail	Actively or passively sending E-mail via Ethernet Port through internet. Max. 10 receivers for each sending and can send E-mail with an attached file (Max. file size is about 488 KB).

► Mechanical Drawing (Unit: mm)



► Pin assignment



► I/O Modules Selection Guide For VP-2117 Series

I-8K High Profile (Local) I/O modules : More at www.icpdas.com > Products > PAC - 8K & 87K I/O Modules

Parallel I/O Modules : I-8K High Profile Series

I-8K Analog I/O Modules	
I-8014W	16-bit 250 K sampling rate 8/16-ch. analog input module (The scan rate cannot reach 250 K when using in the ISaGRAF PAC)
I-8017HW	8-ch. Differential or 16-ch. Single-ended, 14-bit, High Speed Analog Input Module (current input requires external 125 Ω resistor) . (The scan rate cannot reach 100 K when using in the ISaGRAF PAC)
I-8024W	4-ch. Isolated Analog Output Module (+/- 10 V, 0 ~ +20 mA)
I-8K Digital I/O Modules	
I-8037W	16-ch. Isolated Open Collector Output Module
I-8040W	32-ch. Isolated Digital Input Module
I-8040PW	32-ch. Isolated Digital Input with Low Pass Filter Module
I-8041W	32-ch. Isolated Open Collector Digital Output Module (Sink)
I-8041AW	32-ch. Isolated Open Collector Digital Output Module (Source)
I-8042W	16-ch. Isolated Digital Input & 16-ch. Isolated Open Collector Digital Output Module
I-8046W	16-ch. Isolated Digital Input Module
I-8050W	16-ch. Universal Digital I/O Module
I-8051W	16-ch. Non-Isolated Digital Input Module

I-8052W	8-ch. Differential Isolated Digital Input Module
I-8053W	16-ch. Isolated Digital Input Module
I-8053PW	16-ch. Isolated Digital Input with Low Pass Filter Module
I-8054W	8-ch. Isolated Digital Input Module & 8-ch. Isolated Open Collector Digital Output Module
I-8055W	Non-Isolated 8-ch. Digital Logic Input Module & 8-ch. Open Collector Digital Output Module
I-8056W	16-ch. Non-Isolated Open Collector Output Module
I-8057W	16-ch. Isolated Open Collector Output Module
I-8058W	8-ch. Differential Isolated Digital Input Module, Max. AC/DC Input : 250 V
I-8060W	6-ch. Relay Output Module, AC: 0.6 A @ 125 V ; 0.3 A @ 250 V, DC: 2 A @ 30 V
I-8063W	4-ch. Diff. Isolated Digital Input & 4-ch. Relay Output Module, AC : 0.6 A @ 125 V ; 0.3 A @ 250 V
I-8064W	8-ch. Power Relay Output Module, AC: 5 A @ 250 V, DC: 5 A @ 30 V
I-8068W	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
I-8069W	8-ch. PhotoMOS Relay Output Module, Max. AC/DC: 1 A @ 60 V
I-8K Counter/Frequency Modules	
I-8084W	4-ch. Encoder, can be dir/pulse, or up/down or A/B phase (Quad. mode), Not support Encoder Z-index
I-8088W	8-ch. PWM Output and 8-ch. isolated DI Module, software support 1 Hz ~ 100 kHz (non-continuous).
I-8K Motion Modules	
I-8093W	3-axis Encoder Module, max. 1M Hz for quadrant input mode, max. 4M Hz for pulse/direction and
I-8091W	2-axis Stepping/Servo Motor Control Card without encoder input
I-8090W	3-axis Encoder Module
I-8K Communication Modules	
I-8112iW	2-ch. Isolated RS-232 Expansion Module
I-8114W	4-ch. Non-Isolated RS-232 Expansion Module
I-8114iW	4-ch. Isolated RS-232 Expansion Module
I-8142iW	2-ch. Isolated RS-422/485 Expansion Module
I-8144iW	4-ch. Isolated RS-422/485 Expansion Module
I-8172W	2-port FRnet Module

RS-485 Remote I/O Modules: Serial Interface; HOT-SWAP

I-87K High Profile Modules: More at www.icpdas.com > Products > PAC - 8K & 87K I/O Modules

I-87K Analog I/O Modules	
I-87005W	8-ch. Thermistor input and 8-ch. digital output module
I-87013W	4-ch. , 16-bit, 10 Hz (Total), 2/3/4-wire RTD Input Module with Open Wire Detection
I-87015W	7-ch. , 16-bit, 12 Hz (Total), RTD Input Module with Open Wire Detection (for short sensor distance)
I-87015PW	7-ch. RTD Input Module with 3-wire RTD lead resistance elimination and with Open Wire Detection (for long sensor distance)
I-87017RW	8-ch. Differential , 16/12-bit, 10/60 Hz (Total) Analog Input Module with 240 V _{rms} Over Voltage Protection, Range of -20 mA ~ +20 mA Requires Optional External 125 Ω Resistor
I-87017RCW	8-ch. Differential , 16/12-bit, 10/60 Hz (Total) Current Input Module
I-87017W	8-ch. Analog Input Module
I-87017W-A5	8-ch. High Voltage Input Module
I-87018RW	8-ch. Thermocouple Input Module. Recommend to use the better I-87018ZW.
I-87018W	8-ch. Thermocouple Input Module. Recommend to use the better I-87018ZW.
I-87018ZW	10-ch. Differential , 16-bit, 10 Hz (Total), Thermocouple Input Module with 240 V _{rms} Over Voltage Protection, Open Wire Detection, Range of +/-20 mA, 0~20 mA, 4~20 mA requires Optional External 125 Ω Resistor
I-87019RW	8-ch. Diff. , 16-bit, 8 Hz (Total), Universal Analog Input Module with 240 V _{rms} Over Voltage Protection, Open Wire Detection (V, mA, Thermocouple; Range of -20 mA ~ +20 mA need to set Jumper on board)
I-87024CW	4-ch. 12-bit channel to channel isolated current output module with open-wire detection
I-87024W	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	8-ch. 12-bit Current Output Module
I-87K Digital I/O Modules	
I-87040W	32-ch. Isolated Digital Input Module
I-87041W	32-ch. Sink Type Open Collector Isolated Digital Output Module



I/O Modules Selection Guide For VP-2117 Series

I-87046W	16-ch. Non-Isolated Digital Input Module for Long Distance Measurement
I-87051W	16-ch. Non-Isolated Digital Input Module
I-87052W	8-ch. Differential , Isolated Digital Input Module
I-87053PW	16-ch. Isolated Digital Input Module with 16-bit Counters
I-87053W	16-ch. Isolated Digital Input Module
I-87053W-A5	16-ch. 68 ~ 150 Vdc Isolated Digital Input Module
I-87054W	Isolated 8-ch. DI and 8-ch. Open Collector DO Module
I-87055W	Non-Isolated 8-ch. DI and 8-ch. Open Collector DO Module
I-87057W	16-ch. Open Collector Isolated Digital Output Module
I-87058W	8-ch. 80 ~ 250 VAC Isolated Digital Input Module
I-87059W	8-ch. Differential 10 ~ 80 VAC Isolated Digital Input Module
I-87063W	4-ch. Differential 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-87061W	16-ch. Relay Output Module (RoHS)
I-87064W	8-ch. Relay Output Module, 5 A (47~63 Hz) @ 0~ 250 VAC ; 5 A @ 0~ 30 Vdc
I-87065W	8-ch. AC SSR Output Module, AC: 1.0 Arms @ 24 ~ 265 Vrms
I-87066W	8-ch. DC SSR Output Module , DC: 1.0 Arms @ 3 ~ 30 Vdc
I-87068W	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	8-ch. PhotoMOS Relay Output Module, Max. AC/DC: 0.13 A @ 350 V
I-87K Counter/Frequency Modules	
I-87082W	2-ch. Counter/Frequency Module, Isolated or Non-Isolated Inputs

High Speed Local I/O Modules: Parallel Bus

I-8K High Profile Modules: More at www.icpdas.com > Products > PAC - 8K & 87K I/O Modules

RS-485 Remote I/O Modules: Serial Interface; HOT-SWAP

I-87K High Profile Modules: More at www.icpdas.com > Products > PAC - 8K & 87K I/O Modules

More RS-485 Remote I/O Modules at :

I-7000 : www.icpdas.com > Products > Remote I/O Modules/Units > I-7000 Modules > Selection Guide

M-7000 : www.icpdas.com > Products > Remote I/O Modules/Units > M-7000 Modules > Selection Guide

More FRnet Remote I/O Modules at :

FRnet I/O: www.icpdas.com > Products > Remote I/O Modules/Units > FRnet Remote I/O Modules > Selection Guide

More RS-485 Remote Hot-Swap Expansion Unit at :

RU-87P1/2/4/8 : www.icpdas.com > Products > Remote I/O Modules/Units > RS-485 Remote I/O Unit > Selection Guide

More RS-485 Remote Expansion Unit at :

I-87K1/4/5/8/9: www.icpdas.com > Products > Remote I/O Modules/Units > RS-485 Remote I/O Unit > Selection Guide

► Ordering Information

VP-2117 CR	ISaGRAF Based ViewPAC with STN LCD (English + Simplified Chinese Font) (RoHS)
VP-2117-TC CR	ISaGRAF Based ViewPAC with STN LCD (English + Traditional Chinese Font) (RoHS)

► Accessories

ISaGRAF-256-E	ISaGRAF Workbench Software Ver.3 (256 I/O Tags) with USB Dongle and English application book
ISaGRAF-256-C	ISaGRAF Workbench Software Ver.3 (256 I/O Tags) with USB Dongle and Chinese application book
ISaGRAF-32-E	ISaGRAF Workbench Software Ver.3 (32 I/O Tags) with English application book (Note)
ISaGRAF-32-C	ISaGRAF Workbench Software Ver.3 (32 I/O Tags) with Chinese application book (Note)
ISaGRAF Book-E	ISaGRAF application book (English version)
ISaGRAF Book-C	ISaGRAF application book (Chinese version)

Note: No upgrade service from ISaGRAF-32 to ISaGRAF-256.

* Using ISaGRAF-32 can control more than 32 I/O tags. (ISaGRAF User's Manual Ch. 3.4)