

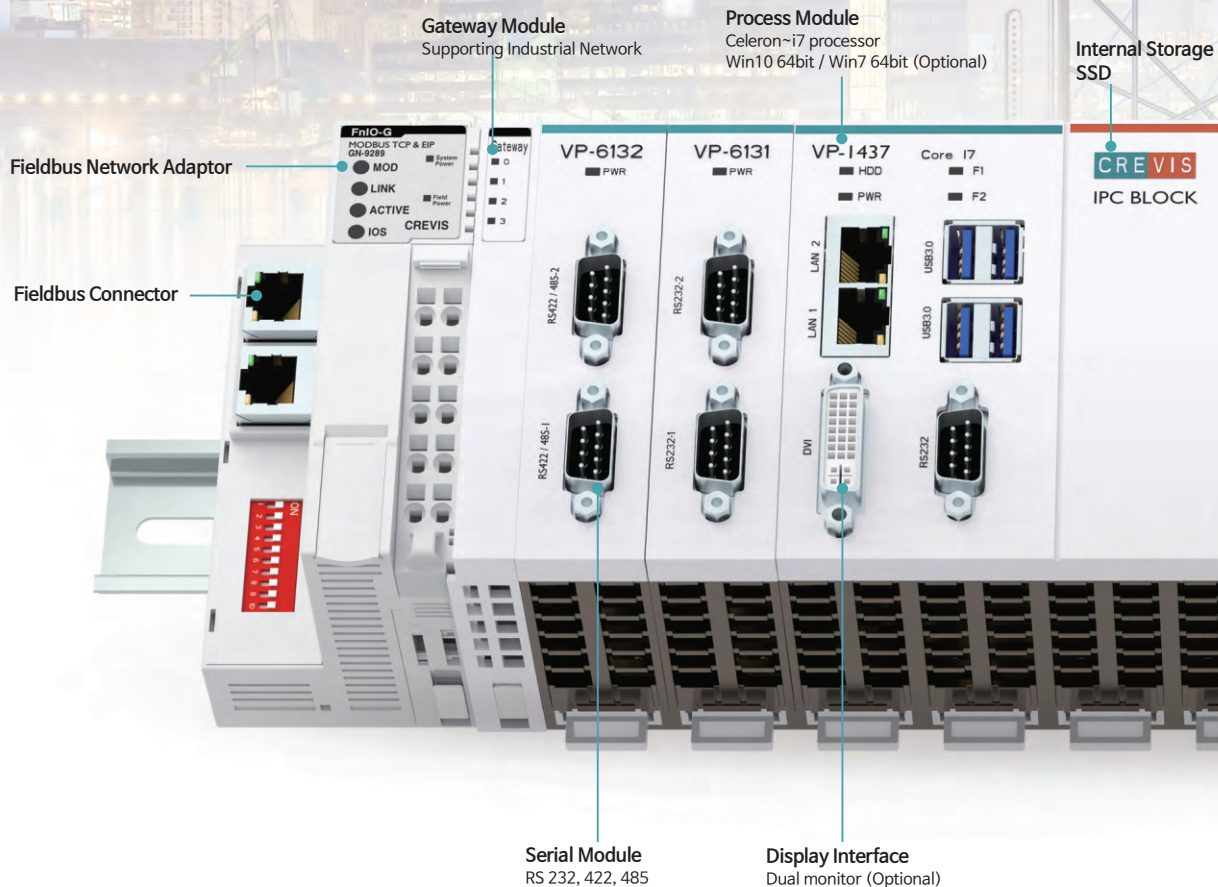


# IPC BLOCK Series



# Compact size of Industrial PC with

## IPC BLOCK Series



- Fieldbus Protocol

DeviceNet

PROFIBUS

CANopen

MODBUS

EtherCAT

CC-Link IE

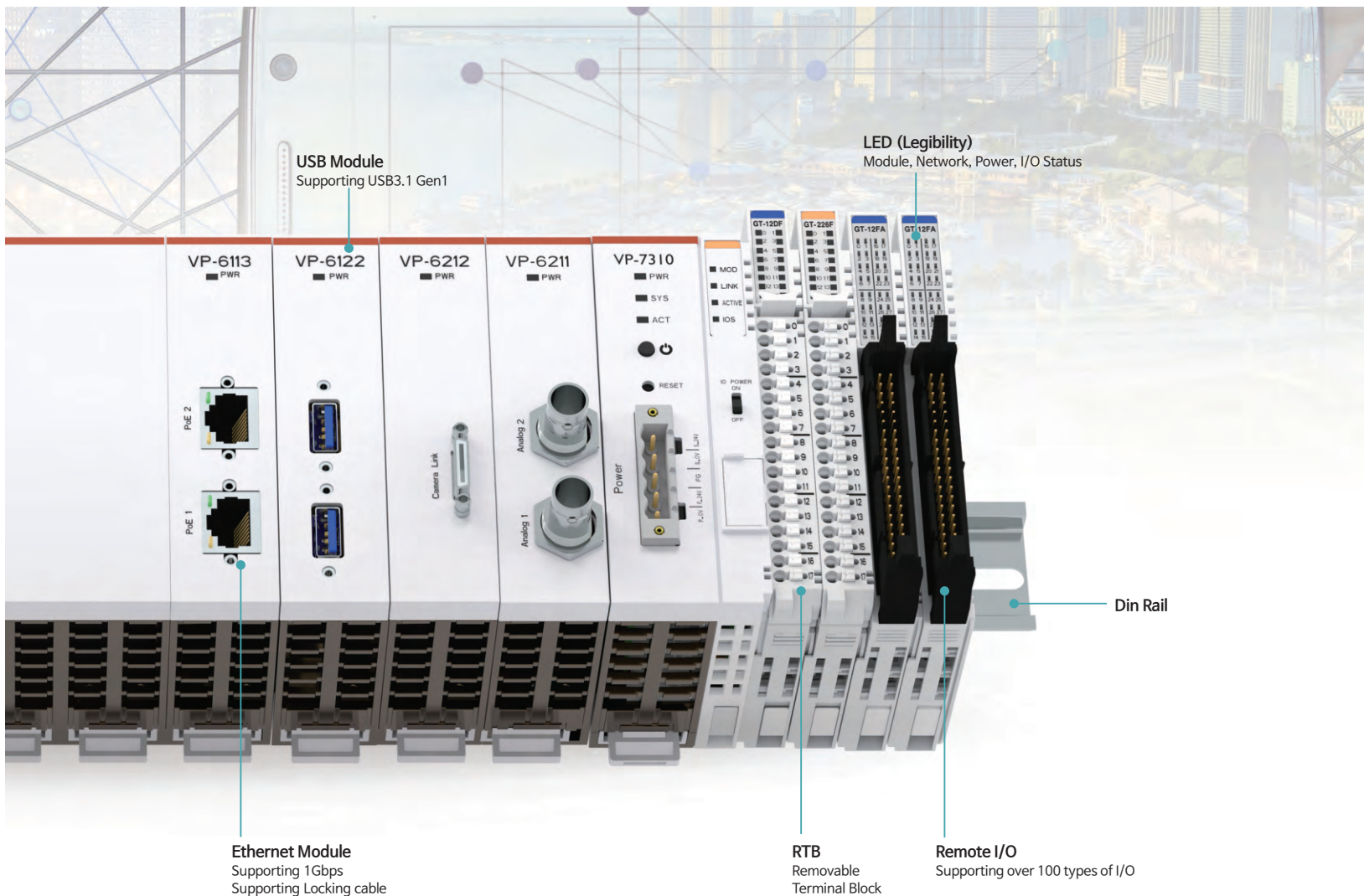
PROFINET

EtherNet/IP

CC-Link

CC-Link IE Field Basic

# Expandable I/O module and Vision module



- **Power Supply**

Requiring DC24V 5A or higher power supply.  
Recommended to use a device that can provide power more than twice for reliability.

- **Din Rail**

Recommended to use standard Din Rail with a minimum height of 7.5mm.

- **USB / SATA and PCIe connection**

USB / SATA Module  
Top Color code : Green ; Mounted on the left side of processor module.  
Consisting of modules that are relatively slow or have storage devices.

PCIe Module  
Top Color code : Orange ; Mounted on the right side of processor module.  
PCIe 1X per module / Up to 4 modules can be mounted.



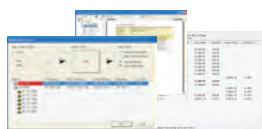
# IPC Features



Windows 7, 10

Convenient development environment

Vibration resistance over 2G



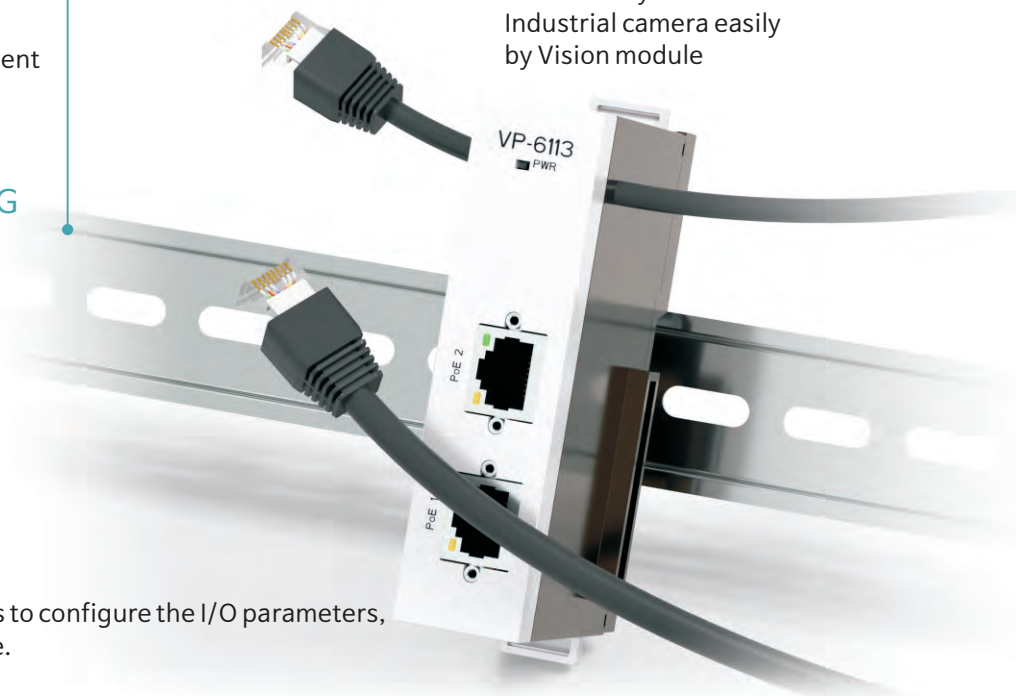
I/O Guide Pro

CREVIS Software tool, helping users to configure the I/O parameters, and simulate the extended I/O unite.

Small-sized  
Din Rail mount structure

Convenient Network Set-up

Construct system with  
Industrial camera easily  
by Vision module



# I/O Features

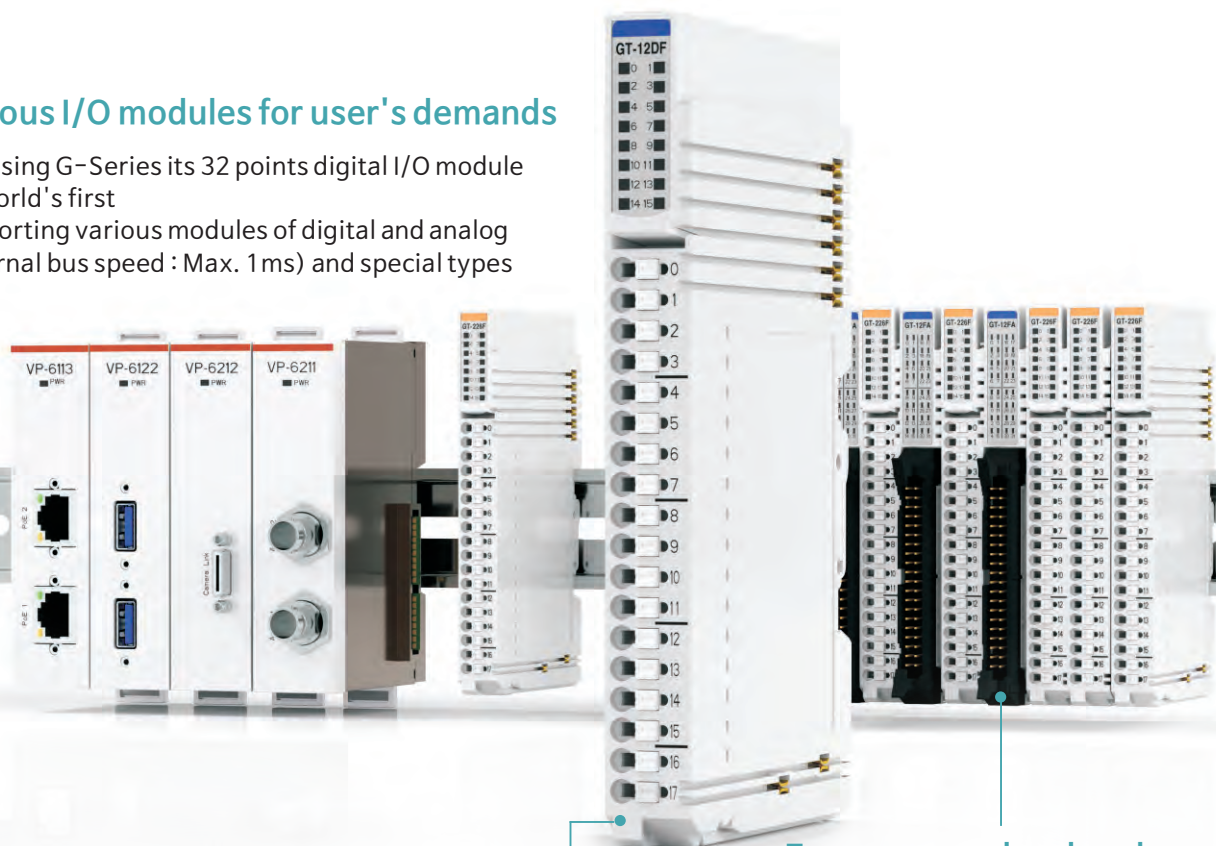
## Supporting Fieldbus open protocol

Configuring the system as per user's demands such as the specification, and application by using various type of Network Adapters, and I/O modules



## Various I/O modules for user's demands

Releasing G-Series its 32 points digital I/O module for world's first  
Supporting various modules of digital and analog  
(Internal bus speed : Max. 1ms) and special types

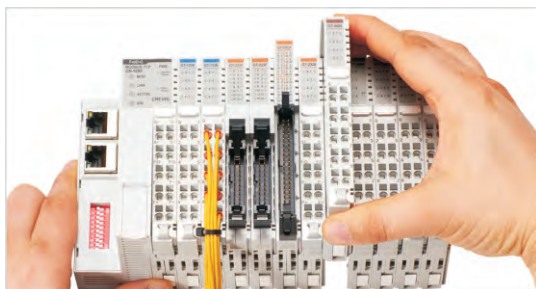


Easy to extend and exchange by header type connector module

## Efficient Maintenance

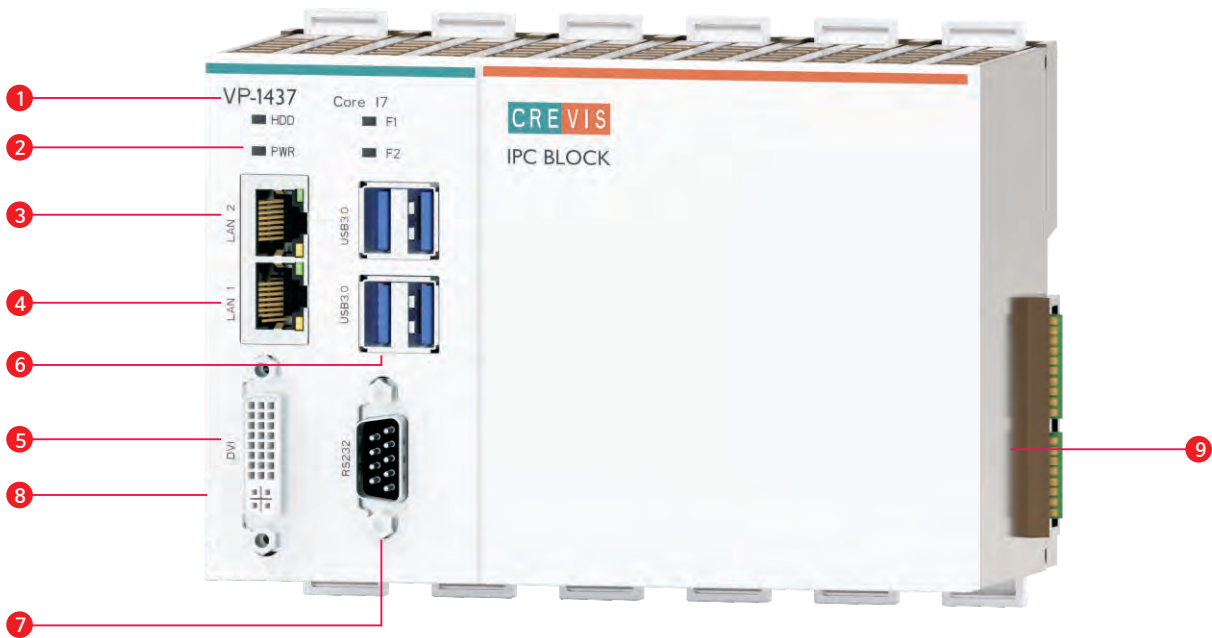
## Maximizing user's convenience by cable ring

Easy to configure I/O systems with slice type.  
Easy to change I/O module without new wiring by RTB



# Processor Module

## Industrial PC with CPU



| Model                 | VP-1425  | VP-1437               |
|-----------------------|--|-----------------------|
| Processor             | Intel® Celeron® 3955U  | Intel® Core™ i7-6600U |
| Number of cores       | 2  | 2                     |
| Maximum Frequency     | 2.0 GHz  | 3.4 GHz               |
| Cache Capacity        | 2 MB   | 4 MB                  |
| SSD                   | 128 GB(Standard), 256 GB(Optional)   |                       |
| Memory                | Two 260-pin 2133/1866 MHZ dual-channel DDR4 non-ECC unbuffered SO-DIMMs support up to 32GB |                       |
| LEDs                  | Power Led, SSD Access, Status1, Status2  |                       |
| Operating System      | Windows10 64 bit(Standard), Windows 7 32 bit (Optional)                                    |                       |
| Monitor Port          | DVI  |                       |
| Ethernet Port         | 2 x Gigabit Ethernet (I219, I210 chipset)  |                       |
| Serial Port           | 1 x RS 232   |                       |
| USB Port              | 4 x USB 3.0  |                       |
| Mounting              | Din Rail   |                       |
| Dimension             | 100 mm (H) x 150 mm (W) x 70 mm (D)  |                       |
| Weight                | Approx. 900 g  |                       |
| Vibration             | > 2G   |                       |
| Operating temperature | 0 ~ 60℃  |                       |

| No. | Name                          | Description                                     |
|-----|-------------------------------|---|
| 1   | Model Name                    | VP : IPC Block Series                           |
| 2   | LED Status                    | Power LED, SSD Access, Controllable LED by user |
| 3   | LAN1                          | L210 Chipset (10/100/1000)                      |
| 4   | LAN2                          | L219 Chipset (10/100/1000)                      |
| 5   | DVI-D                         | Connecting monitor                              |
| 6   | USB 3.0                       | Connecting keyboard, mouse, USB Memory, Etc     |
| 7   | RS 232                        | RS 232 Interface                                |
| 8   | USB /SATA Expansion Connector | I/O Module connector (For Expansion)            |
| 9   | PCIe Expansion Connector      | I/O Module connector (For Expansion)            |

# Gateway Module

## Fieldbus Network Adaptor

|           |  |
|-----------|--|
| Network   | Modbus TCP, Ethernet IP, EtherCAT, PROFINET, CC-Link IE Field, Modbus RTU, PROFIBUS, CC-Link, DeviceNet, CANopen, CC-LINK IE Field Basic |
| LEDs      | Mod, Run, Error, IOS   |
| Dimension | 100 mm x 12 mm x 70 mm   |
| Weight    | Approx. 65g  |



# Serial Module

|               |                        |            |
|---------------|------------------------|------------|
| Model         | VP-6131                | VP-6132    |
| Specification | RS-232                 | RS-422/485 |
| Connector     | 2 x DSUB 9 pin         |            |
| Dimension     | 100 mm x 25 mm x 70 mm |            |



# Power Module

|                  |                                 |
|------------------|---------------------------------|
| Model            | VP-7310                         |
| Power Supply     | 24 Vdc (-10%/+10%)              |
| Maximum Output   | 50 W                            |
| LED              | POWER IN, 12V OUTPUT, 5V OUTPUT |
| IO Bus Expansion | Remote I/O G-Series             |
| IO Bus Power     | 5V, 2A                          |
| IO Bus LED       | MOD, RUN, ERROR, IOS            |
| Dimension        | 100 mm x 37 mm x 70 mm          |
| Weight           | Approx. 240g                    |





# EtherNet Module, Master Module



| EtherNet Module |                        |                              |
|-----------------|------------------------|------------------------------|
| Model           | VP-6111                | VP-6113                      |
| Specification   | GigE                   | PoE                          |
| Connector       | 2 x RJ45               | 2 x RJ45                     |
| Controller      | I210                   |                              |
| PoE Support     | X                      | O (IEEE 802.3.at type1, 15W) |
| Dimension       | 100 mm x 25 mm x 70 mm |                              |

| Master Module |  |           |          |
|---------------|--|-----------|----------|
| Model         | VP-6411  | VP-6421   | VP-6422  |
| Specification | EtherNet IP,<br>EtherCAT,<br>PROFINET,<br>MODBUS,<br>PowerLink | DeviceNet | PROFIBUS |
| Connector     | 2 x RJ45   |           |          |
| Dimension     | 100 mm x 25 mm x 70 mm   |           |          |

# USB Module



| Model         | VP-6121                                       |
|---------------|---|
| Specification | USB 3.0                                       |
| Connector     | 2 x USB 3.0                                   |
| Speed Limit   | Max 8 Gbps total bandwidth (PCIe 3.0 x1 lane) |
| Dimension     | 100 mm x 25 mm x 70 mm                        |

# Frame Grabber



| Model         | VP-6211                | VP-6212    |
|---------------|------------------------|------------|
| Specification | Analog                 | Cameralink |
| Connector     | 2 x BNC                | 1 x SDR    |
| Dimension     | 100 mm x 25 mm x 70 mm |            |



# G-Series Line-up

## Expandable Remote I/O

### Network Adapter Module

- GN-9371 PIO, Economic, MODBUS TCP/RTU
- GN-9372 PIO, Standard, MODBUS TCP/RTU, OPC UA
- GN-9373 PIO, Web Visualization, MODBUS TCP/RTU, OPC UA
- GN-9481 PIO, Economic, MODBUS / EtherCAT Slave
- GN-9482 PIO, Standard, MODBUS / EtherCAT Slave, OPC UA
- GN-9483 PIO, Web Visu, MODBUS / EtherCAT Slave, OPC UA
- GL-9971 PIO, MODBUS TCP, Light ver
- GN-9212 DeviceNet Network Adapter
- GN-9222 PROFIBUS Network Adapter
- GN-9231 CC-LINK Network Adapter
- GN-9251 BACnet/IP B-ASC Network Adapter
- GN-9261 CANOpen Network Adapter
- GN-9273 MODBUS RS485 Network Adapter
- GN-9284 CC-LINK IE FIELD BASIC Network Adapter
- GN-9285 CC-LINK IE FIELD Network Adapter
- GN-9287 PROFINET Network Adapter
- GN-9289 MODBUS TCP / EtherNet IP Network Adapter
- GN-9386 EtherCAT Network Adapter, ID Type
- GN-9587 PROFINET Network Adapter, MRP Ver
- GL-9089 MODBUS TCP / EtherNet IP, Network Adapter, Light ver
- GL-9087 PROFINET, Network Adapter, Light ver
- GL-9084 CC-Link IE Field BASIC, Network Adapter, Light ver
- GL-9073 MODBUS RTU, Network Adapter, Light ver

### Digital Input Module

- GT-1238 8P, Universal, 24Vdc, 10RTB
- GT-123F 16P, Universal, 24Vdc, 20P connector
- GT-12DF 16P, Universal, 24Vdc, 18RTB
- GT-12FA 32P, Universal, 24Vdc, 40P connector
- GT-1428 DI8P Sink, DO 8P Source, Diagnostic, 24Vdc/0.5A, 18RTB
- GT-1804 4P, 120Vac, 10RTB
- GT-1904 4P, 240Vac, 10RTB

### Digital Output Module

- GT-2318 8P, Sink, 24Vdc/0.5A, 10RTB
- GT-2328 8P, Source, 24Vdc/0.5A, 10RTB
- GT-221F 16P, Sink, 24Vdc/0.3A, 20P connector
- GT-222F 16P, Source, 24Vdc/0.3A, 20P connector
- GT-225F 16P, Sink, 24Vdc/0.3A, 18RTB
- GT-226F 16P, Source, 24Vdc/0.3A, 18RTB
- GT-22BA 32P, Sink, 24Vdc/0.3A, 40P connector
- GT-22CA 32P, Source, 24Vdc/0.3A, 40P connector
- GT-2418 8P, Sink, Diagnostic, 24Vdc/0.5A, 18RTB
- GT-2428 8P, Source, Diagnostic, 24Vdc/0.5A, 18RTB
- GT-2618 8P, Sink, 24Vdc/2A, 10RTB
- GT-2628 8P, Source, 24Vdc/2A, 10RTB
- GT-2734 4P, MOS Relay, 240Vdc/ac, 0.5A, 10RTB
- GT-2738 8P, MOS Relay, 240Vdc/ac, 0.5A, 18RTB (Solid State)
- GT-2744 4P, Relay, 24Vdc/2A, 240Vac/2A, 10RTB
- GT-2764 4P, MOS Relay, 24Vdc/ac, 2A, 10RTB
- GT-2768 8P, MOS Relay, 24Vdc/ac, 2A, 18RTB (Solid State)
- GT-2784 4P, MOS Relay, 110Vdc/ac, 1A, 10RTB
- GT-2788 8P, MOS Relay, 110Vdc/ac, 1A, 18RTB

### Special Module

- GT-5102 2CH, Encoder, Input, 5Vdc, 10RTB
- GT-5112 2CH, High speed counter, 24Vdc, 10RTB
- GT-5114 4CH, High Speed Counter, 24Vdc, Encoder Input, 10RTB
- GT-5211 1CH, RS 232, RTS/CTS, Full Duplex Type, 10RTB
- GT-5212 2CH, RS 232, Full Duplex Type, 10RTB
- GT-5221 1CH, RS 422, Full Duplex Type, 10RTB
- GT-5231 1CH, RS 485, Half Duplex Type, 10RTB
- GT-5232 2CH, RS 485, Half Duplex Type, 10RTB
- GT-5352 2CH, Synchronous Serial Interface Input, 10RTB
- GT-5442 2CH, PWM Output, 0.5A/24Vdc, Source, 18RTB
- GT-5444 4CH, PWM Output, 0.5A/24Vdc, Source, 18RTB
- GT-5521 1CH, 2-Phase Bipolar Stepping Motor Driver, 24Vdc/1A, 10RTB
- GT-5642 2CH, Pulse Output, 0.5A/24Vdc, Source, 18RTB
- GT-5652 2CH, Pulse Output, RS422 (Differential), 18RTB

### Analog Input Module

- GT-3002 2CH, Load Cell, Strain Gauge, -150~150mV, 24Bits, 18RTB
- GT-3114 4CH, 0~20, 4~20mA, 12Bits, 10RTB
- GT-3154 4CH, 0~20, 4~20mA, 16Bits, 10RTB
- GT-3118 8CH, 0~20, 4~20mA, 12Bits, 10RTB
- GT-3158 8CH, 0~20, 4~20mA, 16Bits, 10RTB
- GT-311F 16CH, 0~20, 4~20mA, 12Bits, 20P Connector
- GT-315F 16CH, 0~20, 4~20mA, 16Bits, 20P Connector
- GT-317F 16CH, 0~20, 4~20mA, 12Bits, 18RTB
- GT-319F 16CH, 0~20, 4~20mA, 16Bits, 18RTB
- GT-3424 4CH, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB
- GT-3464 4CH, 0~10, 0~5, 1~5Vdc, 16Bits, 10RTB
- GT-3428 8CH, 0~10, 0~5, 1~5Vdc, 12Bits, 10RTB
- GT-3468 8CH, 0~10, 0~5, 1~5Vdc, 16Bits, 10RTB
- GT-342F 16CH, 0~10, 0~5, 1~5Vdc, 12Bits, 20P Connector
- GT-346F 16CH, 0~10, 0~5, 1~5Vdc, 16Bits, 20P Connector
- GT-347F 16CH, 0~10, 0~5, 1~5Vdc, 12Bits, 18RTB
- GT-349F 16CH, 0~10, 0~5, 1~5Vdc, 16Bits, 18RTB
- GT-3704 4CH, RTD, Resistance Input, 10RTB
- GT-3708 8CH, RTD, Resistance Input, 20P Connector
- GT-3714 4CH, Temperature Controller, RTD, SSR, 20P Connector
- GT-3734 4CH, Temperature Controller, RTD, Current, 20P Connector
- GT-3804 4CH, Thermocouple, 10RTB
- GT-3808 8CH, Thermocouple, 20P Connector
- GT-3814 4CH, T.C, Temperature Controller, TC, SSR, 20P Connector
- GT-3834 4CH, T.C, Temperature Controller, TC, Current, 20P Connector
- GT-3901 3-Phase, AC Measurement, Lx-Ly 500Vac/1A
- GT-3914 4CH, Differential, 0~20, 4~20, +/-20mA, 12Bits, 10RTB
- GT-3934 4CH, Differential, 0~20, 4~20, +/-20mA, 16Bits, 10RTB
- GT-3918 8CH, Differential, 0~20, 4~20, +/-20mA, 12Bits, 18RTB
- GT-3938 8CH, Differential, 0~20, 4~20, +/-20mA, 16Bits, 18RTB
- GT-3924 4CH, Differential, 0~5, 0~10, +/-5, +/-10Vdc, 12Bits 10RTB
- GT-3944 4CH, Differential, 0~5, 0~10, +/-5, +/-10Vdc, 16Bits, 10RTB
- GT-3928 8CH, Differential, 0~5, 0~10, +/-5, +/-10Vdc, 12Bits, 18RTB
- GT-3948 8CH, Differential, 0~5, 0~10, +/-5, +/-10Vdc, 16Bits, 18RTB

\* UL listed products (except GT-3714, GT-3734, GT-3814, GT-3834)

### Analog Output Module

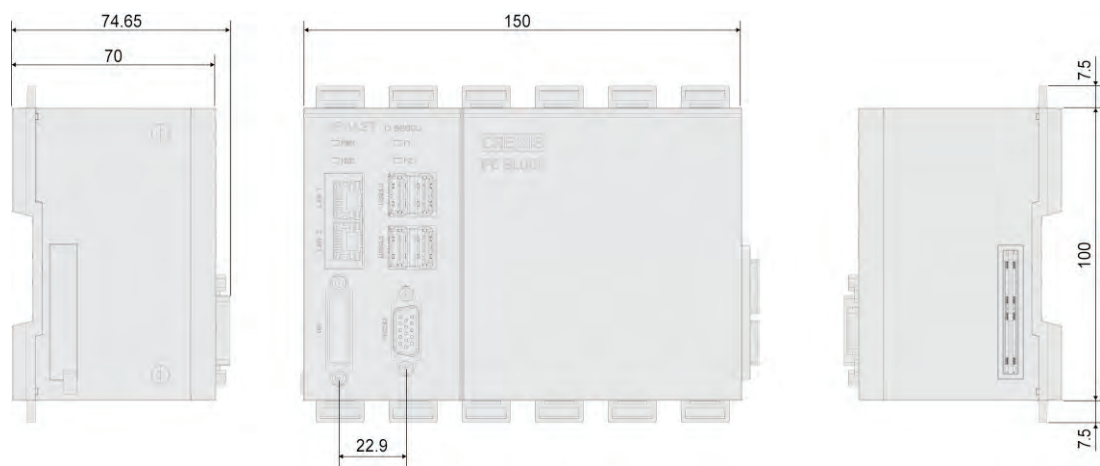
- GT-4114 4CH, 0~20mA, 12Bits, 10RTB
- GT-4154 4CH, 0~20mA, 16Bits, 10RTB
- GT-4118 8CH, 0~20mA, 12Bits, 10RTB
- GT-4158 8CH, 0~20mA, 16Bits, 10RTB
- GT-4214 4CH, 4~20mA, 12Bits, 10RTB
- GT-4254 4CH, 4~20mA, 16Bits, 10RTB
- GT-4218 8CH, 4~20mA, 12Bits, 10RTB
- GT-4258 8CH, 4~20mA, 16Bits, 10RTB
- GT-4424 4CH, 0~10Vdc, 12Bits, 10RTB
- GT-4464 4CH, 0~10Vdc, 16Bits, 10RTB
- GT-4428 8CH, 0~10Vdc, 12Bits, 10RTB
- GT-4468 8CH, 0~10Vdc, 16Bits, 10RTB
- GT-442F 16CH, 0~10Vdc, 12Bits, 20P Connector
- GT-446F 16CH, 0~10Vdc, 16Bits, 20P Connector
- GT-447F 16CH, 0~10Vdc, 12Bits, 18RTB
- GT-449F 16CH, 0~10Vdc, 16Bits, 18RTB
- GT-4524 4CH, ± 10Vdc, 12Bits, 10RTB
- GT-4564 4CH, ± 10Vdc, 16Bits, 10RTB

### Power Module (All ID Type)

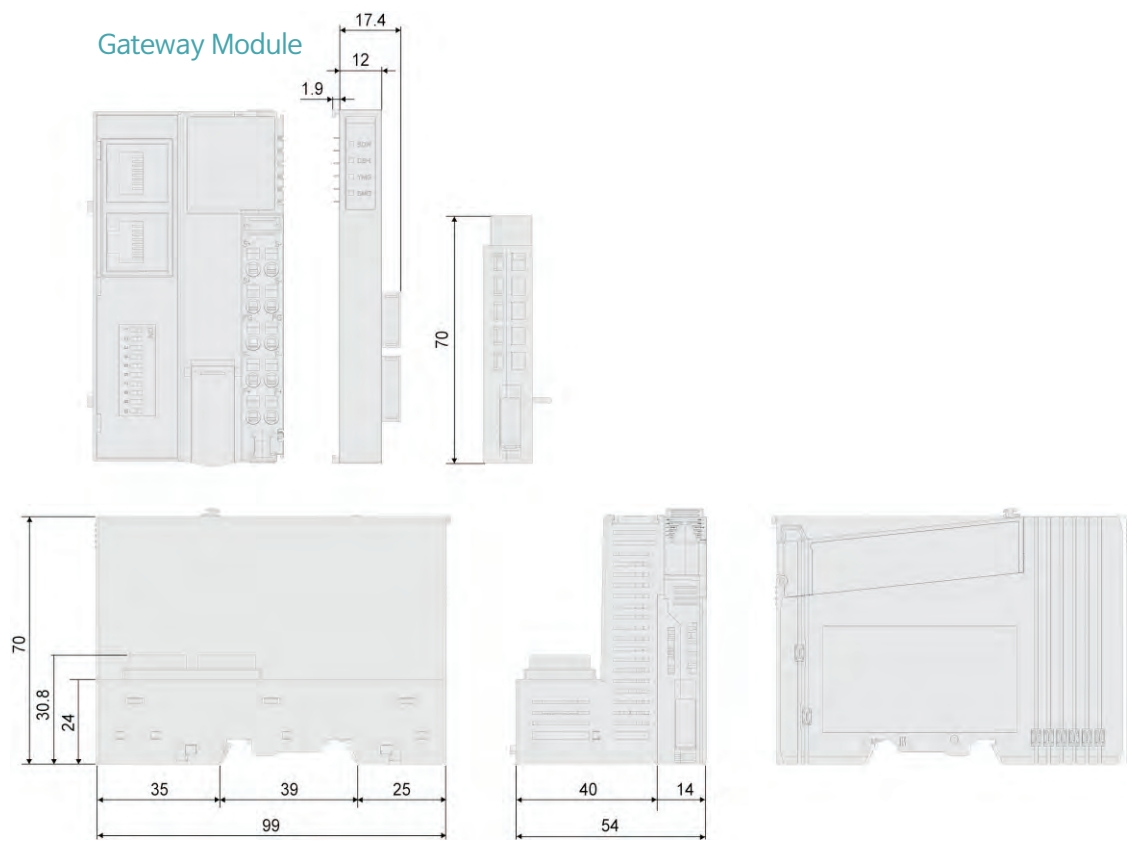
- GT-7408 Shield Module
- GT-7508 Common for 0Vdc
- GT-7511 Power Expansion, In 24Vdc, Out1A/5Vdc
- GT-7518 Common for 24Vdc
- GT-7588 Common for 0Vdc, 24Vdc
- GT-7641 Field Power, 5/24/48Vdc, 110/220Vac
- GT-7151 Noise Filter Module, 18RTB, None ID Type
- GT-7851 Noise Filter Module, 18RTB, ID Type

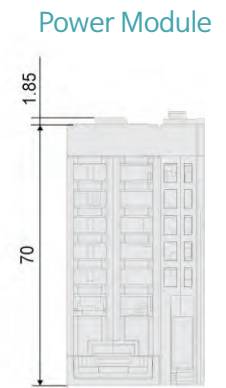
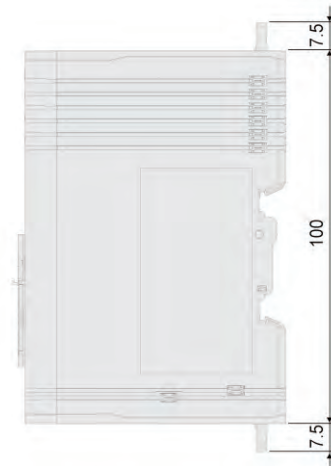
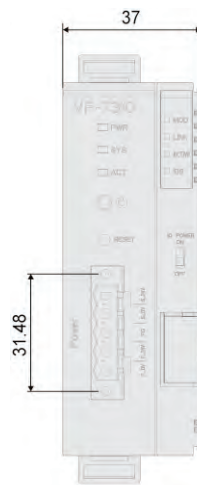
# Dimension

## Processor Module

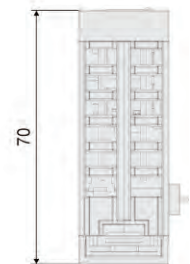
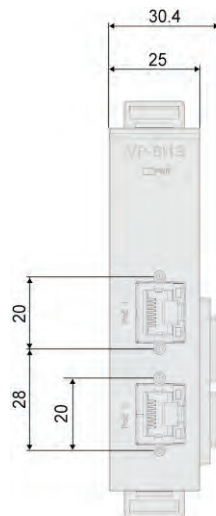


## Gateway Module

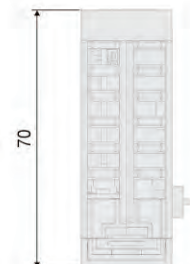
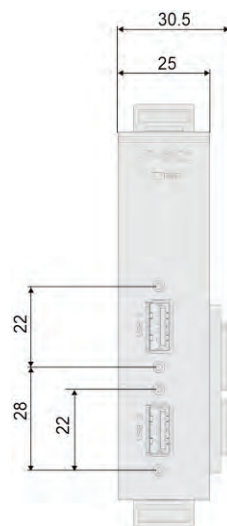




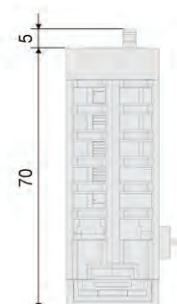
## Power Module



## EtherNet Module Master Module

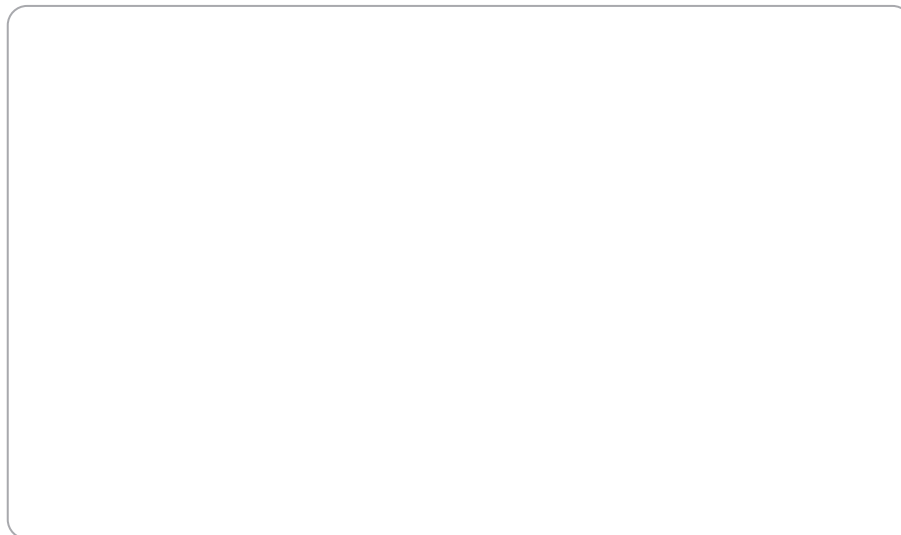


## USB Module



## Frame Grabber

Documentation offered by your distributor



**CREVIS. Co.,Ltd.**

[www.crevis.co.kr](http://www.crevis.co.kr)

경기도 용인시 기흥구 기곡로 29-4 (17099)  
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