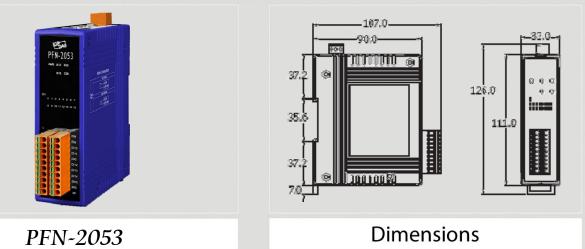
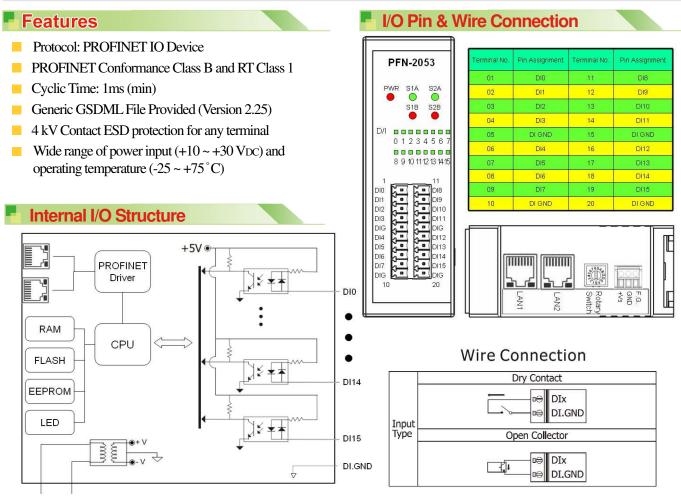
## **PROFINET Series Products**

## **PROFINET I/O Module**



KHS CE FC

The PFN-2053 is one of the PROFINET IO series products produced by ICP DAS. It provides the PROFINET IO communication protocol with any PROFINET IO controllers. It has 16-channel dry contact non-isolated digital inputs, and it provides  $\pm 4kV$  ESD protection contacting for all terminals. You can access and configure it by using the GSDML file in any PROFINET Engineering tool.





## **Hardware Specifications**

| Hardware            |  |
|---------------------|--|
| CPU                 | 32-bit CPU Core  |
| RAM/Flash/EEPROM    | 32 MB / 4 MB / 8 KB  |
| Watchdog            | CPU built-in   |
| ESD Protection      | 4 kV class A   |
| PROFINET Interface  |  |
| Protocol            | PROFINET IO Device   |
| Conformance Classes | Class B  |
| Services            | RTC, RTA, CL-RPC, DCP, LLDP, I&M                                     |
| Cycle Time          | 1 ms (min)   |
| Ethernet Interface  |  |
| Controller          | 10/100Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX)      |
| Connector           | RJ-45 x 2 (LED indicators), Integrated 2-Port Switch                 |
| Services            | ICMP, IGMP, ARP, DHCP, TELNET, TFTP, SNMP, VLAN Priority Tagging     |
| Digital Input       |  |
| Channels            | 16, Dry Contact: Source,   |
| Dry Contact Level   | Off Voltage Level : Open, On Voltage Level : Close to GND            |
| LED                 |  |
| Round LED           | PWR LED, S1A LED, S1B LED, S2A LED, S2B LED                          |
| Power               |  |
| Power supply        | Unregulated $+10 \sim +30 \text{ V}_{DC}$                            |
| Protection          | Power reverse polarity protection, Over-voltage brown-out protection |
| Power Consumption   | 4 W  |
| Mechanism           |  |
| Installation        | DIN-Rail   |
| Dimensions          | 33 mm x 107 mm x 126 mm (W x L x H)                                  |
| Environment         |  |
| Operating Temp.     | -25 ~ 75 °C  |
| Storage Temp.       | -30 ~ 80 °C  |
| Humidity            | 10 ~ 90% RH, non-condensing  |

## **Applications**



**PFN-2053 CR** 

PROFINET I/O Module (Dry contact Non-Isolated 16-ch DI) (RoHS)