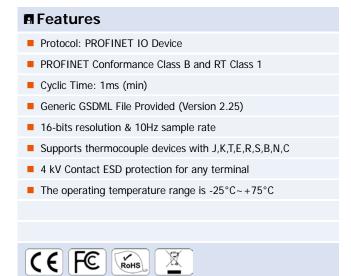




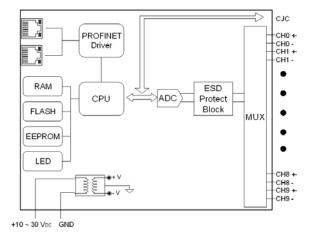
PFN-2019
PROFINET I/O Module



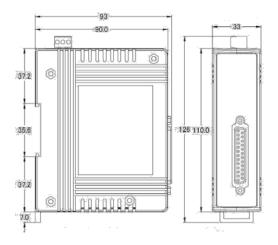
Introduction

The PFN-2019 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 10-channel universal analog input with voltage and current input types. It provides extremely accurate thermocouple measurement and automatically cold-junction compensation for each channel. You can access and configure it by using the GSDML file in any PROFINET Engineering tool.

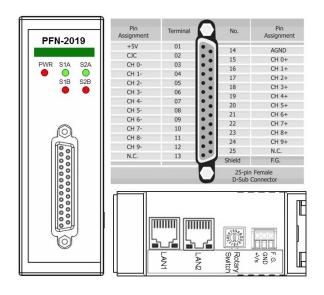
■ Internal I/O Structure

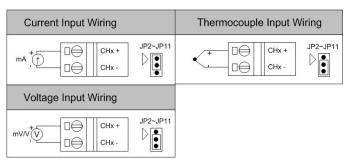


■ Dimensions (Units: mm)



■ I/O Pin & Wire Connection





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■ Hardware Specifications

32-bit CPU Core
32 MB / 4 MB / 8 KB
CPU built-in
4 kV class A
PROFINET IO Device
Class B
RTC, RTA, CL-RPC, DCP, LLDP, I&M
1 ms (min)
10/100Base-TX Ethernet Controller (Auto-negotiating, Auto_MDIX)
RJ-45 x 2 (LED indicators) , Integrated 2-Port Switch
ICMP, IGMP, ARP, DHCP, TELNET, TFTP, SNMP, VLAN Priority Tagging
10 channel differential
+/-15mV, +/-50mV, +/-100mV, +/-500mV, +/-1V, +/-2.5V, +/-5V, +/-10V +/-20mA, 0~20mA, 4~20mA (Jumper Selectable), Thermocouple Type: J, K, T, E, R, S, B, N, C
16 bit
10 Hz (Total)
+/- 0.1% of FSR
Yes
PWR LED, S1A LED, S1B LED, S2A LED, S2B LED
Unregulated +10 ~ +30 VDC
Power reverse polarity protection, Over-voltage brown-out protection
5W
DIN-Rail
33 mm x 93 mm x 126 mm (W x L x H)
-25 ~ 70 ℃
-30 ~ 80 ℃
10 ~ 90% RH, non-condensing

■ Application



Ordering Information

PFN-2019/S CR	PROFINET I/O Module (10-channel Universal Analog Input Module) (RoHS) include PFN-2019 module and a DB-1820 daughter board
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