



FL2N PLC

FLEXEM PLCs

- Programming Language: Ladder diagram/standard C program (both can be used).
- Communication Protocol: RS232 x1, RS485 x1, Supporting Mitsubishi FX2N and Modbus RTU communication.
- Programming Port: USB connection.
- High-speed Interrupt: X0-X5 rising and falling edge interruption, 3-way timing interruption.



* Analog Input

: 4 pass AD, 12-digit isolated ADC, voltage input: 0V~+10v (Input impedance>500k Ω)

Power input: 0mA~+20mA (Input impedance=100 Ω)

* Bus Communication

: 4 pass DA, 12-digit isolated DAC, voltage output: 0V~+10v (Loading impedance>500k Ω)

Power Output: 0mA~+20mA (Loading impedance<500 Ω)

Hardware

CPU	ARM Cortex™-M3 CPU
Analog Input	4 pass AD, 12-digit isolated ADC, voltage input: 0V~+10v (Input impedance>500kΩ) Power input: 0mA~+20mA (Input impedance=100Ω)
Bus Communication	4 pass DA, 12-digit isolated DAC, voltage output: 0V~+10v (Loading impedance>500kΩ) Power Output: 0mA~+20mA (Loading impedance<500Ω)
User Program Memory	200K Bytes(>10K Bytes)
Involatile Data Memory	2K Bytes
Timer	256 100ms timer x206(0.1~3276.7 seconds),10ms timer x46(0.01~327.67 seconds), 1ms timer x4(0.001~32.767 seconds)
Counter	235
High-speed Interrupt	X0-X5 rising and falling edge interruption, 3-way timing interruption
Program Execution Model	Cycling scanning
Execution Speed	0.1us/1000AWL ON:5us/OFF:5us)
Programming Language	Ladder diagram/standard C program (both can be used)
Communication Protocol	RS232 x1, RS485 x1, Supporting Mitshubish FX2N and Modbus RTU communication

Electrical Specifications

Power Consumption	4W
Input Power	DC24V , Input Range:DC 18V~32V
Power Protection	Isolated Power,protect from thunderstrike and surging
Power Down Allowed	<5ms
CE & RoHS	Complied with EN61000-6-2:2005 , EN61000-6-4:2007,CE RoHS,Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV

Environment Specifications

Operation Temperature	-20 ~ 70°C
Storage Temperature	-30 ~ 80°C
Operation Humidity	10~90%RH (No condensation)
Cooling	Natural cooling

Shanghai (R&D)

Add. Room 804, C6 Building, No.52 Bay Valley Technology Park, Lane 1688 North Guoquan Road, Yangpu District, Shanghai, 200438
Tel. +86-21-68683993
Fax +86-21-65107569

Suzhou

Add. Room 915, Ruiqi Building, No.668 Fengting Road, Suzhou Industrial Area, Suzhou.
Tel. +86-512-69833996

Shenzhen

Add. 5 Floor C, No.2 Building, Honglong High-tech Park (Lanyun Industrial Park),
Liyuan Industrial Area, Zhuangchang Villiage,
Langxin committee, Shiyuan Street, Bao'an District,
Shenzhen
Tel. +86-755-27610682
Fax +86-755-27629895

Wuxi

Add. Room 1603, Taihu Lake Developing Building,
No. 1890 West Lake Avenue, Binhu Area,
Wuxi.
Tel. +86-18505101982

Beijing

Add. Room 303, Unit 4, Building 1, Caiman Street,
No 67 Chaoyang Road, ChaoYang District,
Beijing.
Tel. +86-10-51388516
Fax +86-10-51388681

Bussiness: 0755-27610681

Technical Support: 4008-033-022

E-mail: sales@flexem.cn

Website: www.flexem.com