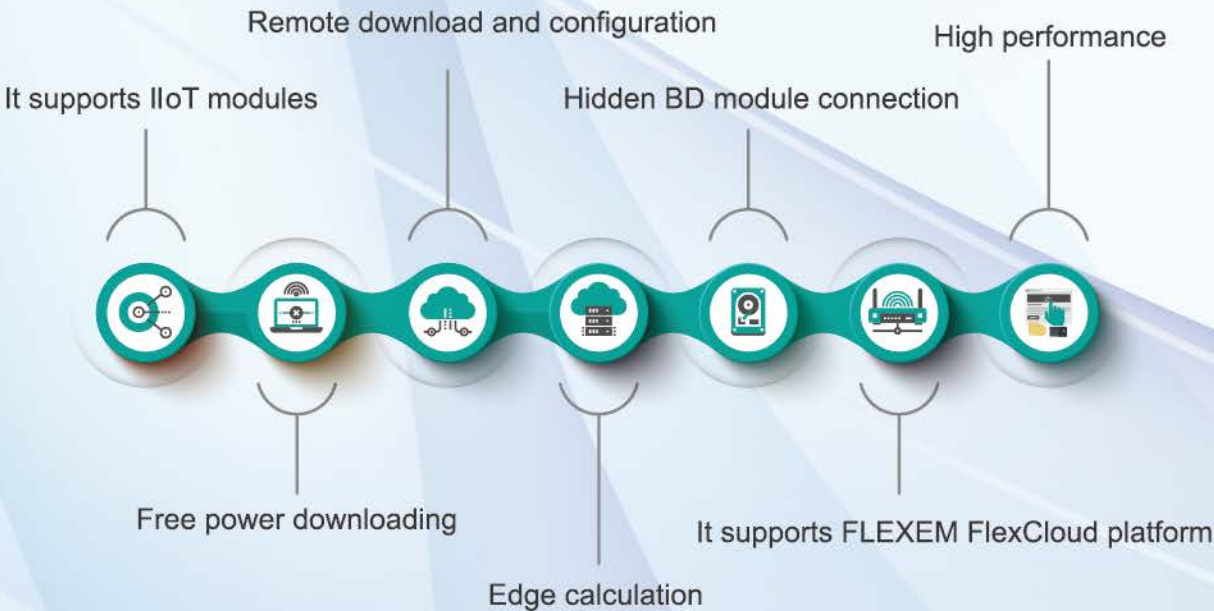


# FLEXEM IIoT PLC

## IIoT PLC — FL3 Series Remote control from the cloud



Model	FL3-4G
Wireless connection	(Mobile / Unicom) 2G (Mobile / Unicom) 3G (Mobile/China Unicom/Telecom) 4G Ethernet
CPU	300MHz ARM9
Memory	128MB Flash+128MB DDR3
VPN	NA
Ethernet	Available
USB port	NA
COM Port	Built-in expansion bus
IO Port	NA
Power Consumption	<5W
Input Power	DC24V, working range DC 9V~28V
Power Protection	Protect from thunder strike and surging
Power Down Allowed	<3mS
CE&RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV; ESD:4KV, Air:8KV
Operating Temperature	-10~60℃
Storage Temperature	-20~70℃
Operating Humidity	10~90%RH ( no condensate )
Vibration Endurance	10~25Hz ( X, Y, Z direction 2G/30 min )
Cooling	Natural air cooling
Enclosure	ABS
Dimension	80mm×25mm×90mm

Model	FL3-32MR	FL3-2AD2DA
CPU	ARM 32-bit CortexTM -M3	
Digital Input	16 points Transistor input x16, supporting source/drain type	NA
Digital Output	16 points Relay output x16	NA
High-speed Input	3-way AB input/6-way separate high-speed counting	NA
High-speed Output	NA	NA
Analog Input	NA	2-channel AD, 16-bit precision isolated ADC Voltage input: 0V~+10V (input impedance >500KΩ) Current input: 0mA~+20mA (load impedance <500Ω)
Analog output	NA	2-channel DA, 16-bit precision isolated DAC Voltage output: 0V~+10V (input impedance >500KΩ) Current output: 0mA~+20mA (load impedance <500Ω)
User Program Memory	200K Bytes ( >10K Bytes )	Expansion module
Power-off Retentive	2K Bytes	
Timer	256 100ms timer x206, 10ms timer x46, 1ms timer x4	
Counter	235	
High-speed Interrupt	NA	
Program Operation Model	Circulation scanning mode	
Processing Speed	0.1us/( ON 5us/OFF 0.5us)	
Programming Language	Ladder diagram standard C program (both can be used)	
COM Port	COM1: RS232/RS485 COM2: RS232/RS485 Supporting Mitsubishi FX2N and Modbus RTU communication	
Programming Port	USB	
Components	Most components are imported with high quality	
Power Consumption	<5W	