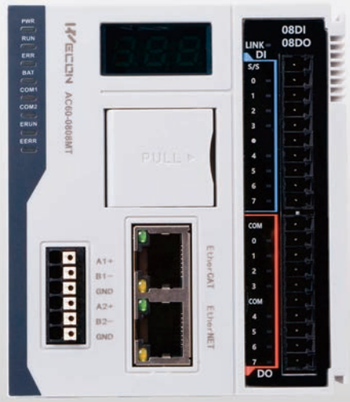
# AC60 Series PLC

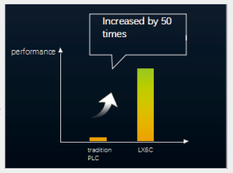
## AC60
High-performance
Medium-size Controller




Based on
the **CODESYS** Platform

### Program Execution
--SUPERIOR SPEED

4-core 1.8GCPU boosts
instruction processing speed;
ns-level basic instruction execution speed;
Multitasking management system.




### Expansion Module
--Scale at High Speed

High speed communication,
quick response;Free optional,
Flexible matching to meet needs;
Blade structure,
easy to install and save space.



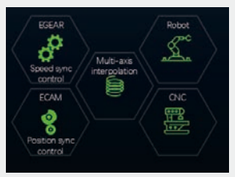
### Communication Protocol
--Seamless Connectivity

Standard with Ethernet,
Multi-protocol link



### Motion Control
--Ultimate Operation Control

Single-axis motion control;
Multi-axis motion control;
Buffer Mode;
Movement superposition.




### Project Development
--Rapid Development

Follow the PLCopen2.0 Standard,
easy programming Program online monitoring,
easy debugging User permissions management, project password.




### Operation & Maintenance
--Perfectly and Reliable

Easily remote debugging and upgrade in V-NET System




# Specifications

| Model | | AC60-0808MT-D0 | AC60-0808MT-DA | AC60-0808MT-DB | AC60-0808MT-DC | AC60-0808MT-DD |
|---|---|---|---|---|---|---|
| Power Supply | | DC 24V±10%，1A，Support short circuit/reverse connection protection | | | | |
| Local IO | | 8 digital input (PNP/NPN), 8 digital output (NPN) | | | | |
| Program Space | Program Capacity | 50MB | | | | |
| | Variable Capacity | 10MB | | | | |
| | I Area (%I) | 128KB | | | | |
| | Q Area (%Q) | 128KB | | | | |
| | M Area (%M) | 512KB | | | | |
| | Power-down Latch | 1MB | | | | |
| Programming Language | | LD/IL/FBD/CFC/SFC/ST | | | | |
| Ethernet | Function | Communication, debugging, uploading and downloading programs, firmware upgrade, etc. | | | | |
| | Data Transmission | 1000Mbps/100Mbps/10Mbps | | | | |
| | Total TCP | Maximum 128 | | | | |
| | Modbus TCP | Maximum 128 | | | | |
| | Socket | Maximum 128 | | | | |
| | Cable | Standard industrial Ethernet communication | | | | |
| EtherNet/IP | Server | Maximum connections: 128 | | | | |
| | Client | Maximum connections: 128 | | | | |
| EtherCAT | Transmission | 100Mbsp(100Base-TX) | | | | |
| | EtherCAT Servo Axis | 0 | 8 | 16 | 32 | 64 |
| | EtherCAT Slave | —— | Support up to 256 EtherCAT slave | | | |
| | Synchronization cycle | —— | 1ms for 8 axis | 1ms for 16 axis | 1ms for 24 axis | |
| USB | Quantity | 1 channel TYPE-C interface | | | | |
| | Function | RTC calibration, IP setting, firmware upgrade, etc. | | | | |
| | Specifications | USB 2.0 | | | | |
| RS485 | Quantity | 2 | | | | |
| | Baud Rate (bps) | 1200, 2400, 4800, 9600, 19200, 38400, 57600, 115200 | | | | |
| | Maximum | 500m (9600 baud rate) | | | | |
| | Communication | Half duplex | | | | |
| | Support Protocol | Modbus master/slave (RTU/ASCII), free communication protocol | | | | |
| | Maximum Number of Slaves | 31 | | | | |
| High Speed input | Channel | 4 | | | | |
| | Maximum Input Frequency | 200K | | | | |
| | Input Mode | Single phase, pulse+direction, AB phase, CW/CCW | | | | |
| | Other Function | 2 touch probe, hardware preset, comparison output | | | | |
| High Speed Output | Channel | 4 | | | | |
| | Maximum Output Frequency | 200K | | | | |
| | Input Mode | Pulse+direction, AB phase, CW/CCW, PWM | | | | |
| | Other Function | 2 touch probe, origin return hardware limit, emergency stop | | | | |
| Local Expansion Modules | | Compatible with LX6V series expansion modules, support up to 32 modules | | | | |
| TF card | | Optional | | | | |
| Motion Control | | YES | | | | |
| OPC UA Server | | N/A | N/A | N/A | N/A | YES |
| CNC | | N/A | N/A | YES | YES | YES |
| Robotic | | N/A | N/A | YES | YES | YES |
| WebVisu | | N/A | N/A | N/A | YES | YES |
| Multi-core 4 Cores | | N/A | N/A | N/A | N/A | YES |
| Software | | WECSYS（Standard IEC 61131-3） | | | | |