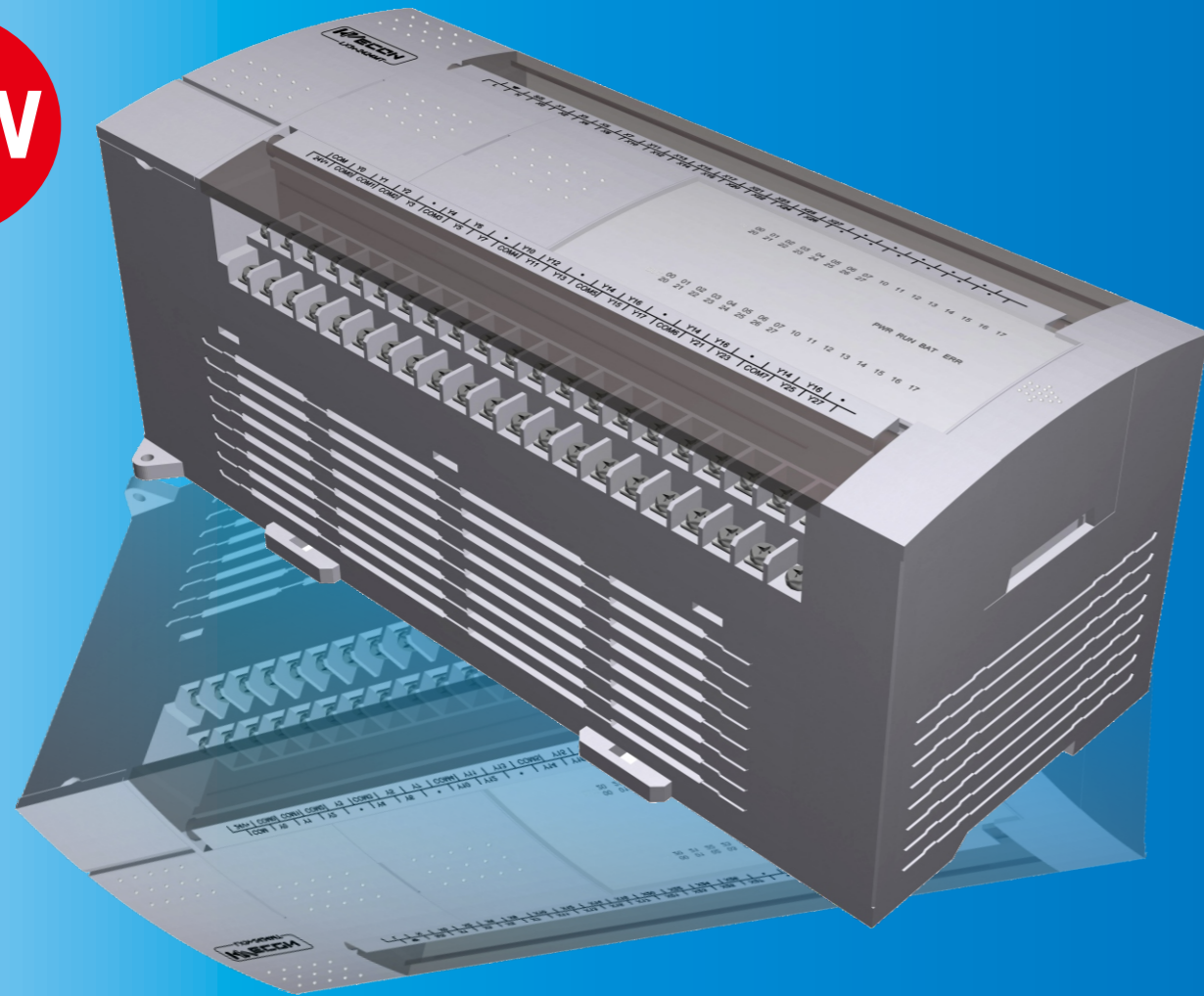


Efficient Reliable Stable Advanced



**维控科技**  
WECONTECHNOLOGY

**NEW**



**福州富昌维控电子科技有限公司**

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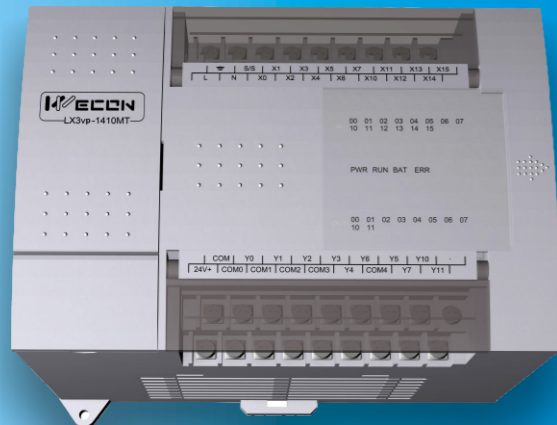
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# LX3VP

**NEW**

Compared to LX3V series, LX3VP adds some new functions, such as N:N protocol, higher frequencies of 4 axis high speed pulse output and larger program storage capacity.

## PLC models



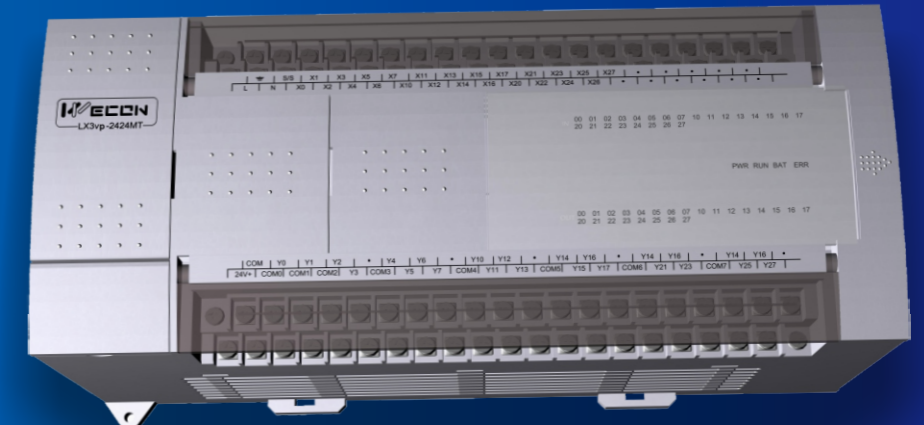
12 inputs, 12 outputs

**LX3VP-1212MR-A(D)**  
**LX3VP-1212MT-A(D)**



16 inputs, 16 outputs

**LX3VP-1616MR-A(D)**  
**LX3VP-1616MT-A(D)**



24 inputs, 24 outputs

**LX3VP-2424MR-A(D)**  
**LX3VP-2424MT-A(D)**

14 inputs, 12 outputs

**LX3VP-1412MR-A(D)**  
**LX3VP-1412MT-A(D)**

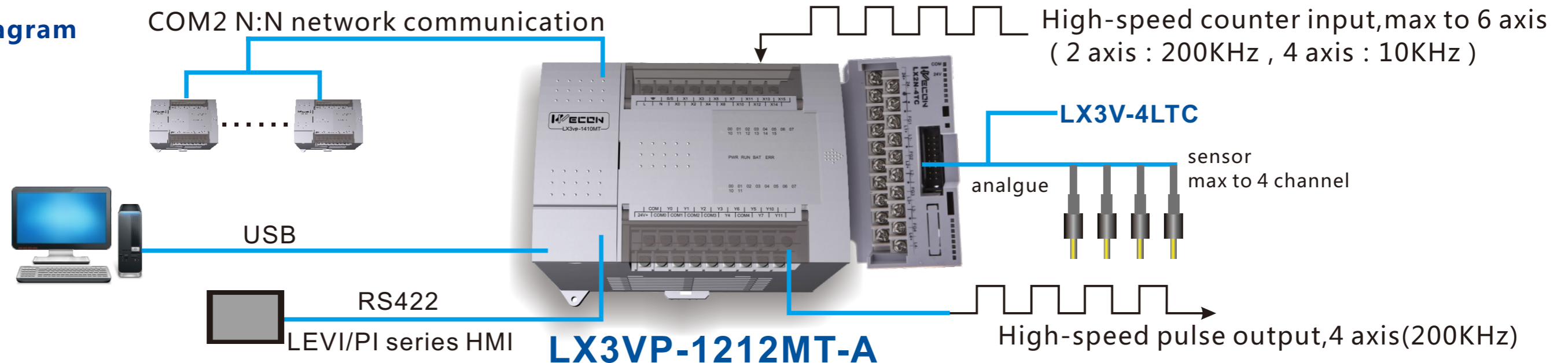
24 inputs, 16 outputs

**LX3VP-2416MR-A(D)**  
**LX3VP-2416MT-A(D)**

36 inputs, 24 outputs

**LX3VP-3624MR-A(D)**  
**LX3VP-3624MT-A(D)**

### Functional diagram





# Cost-effective !

LX3VP series has new features, but also compatible with LX3V series.

- **Larger capacity for program storage**

The maximum program capacity can support 64K steps, it increases 4 times more than the LX3V.

- **High-speed inputs**

6 high-speed counters:  $200\text{ KHz} * 2 + 10\text{KHz} * 4$ ;  
2 AB phase pulse signal inputs, it support set for many times;  
32-bit high speed comparator;

- **High-speed outputs**

LX3VP series PLC has 4 high speed outputs, each output supports 200KHz pulse output. Each high speed output can support acceleration and deceleration pulse output, also can support positioning pulse output.

- **Multi ports**

LX3VP has 6 ports, which support the communication between PLCs; One USB port is used for programming.

- **N:N network protocol**

The COM2 port in LX3VP series PLC could support N:N network protocol, it supports up to eight PLCs

- **More timers**

LX3VP adds 142 1 msec timers(LX3VP driving M8028 ON, timers T50-T191 are changed to 1 msec resolution).

- **Strengthen the communication function**

LX3VP has USB port and RS422 port.

The baud rate of serial communication is 115200bps. And the baud rate of USB communication is 12Mbps.

- **Power-off saving in high-speed pulse outputs**

LX3VP adds power-off saving function in four high-speed pulse outputs, LX3VP driving M8141 ON

The total number of pulse will be saved in D8136D8137;

The pulse in Y0 will be saved in D8140D8141;

The pulse in Y1 will be saved in D8142D8143;

The pulse in Y2 will be saved in D8150D8151;

The pulse in Y3 will be saved in D8152D8153;

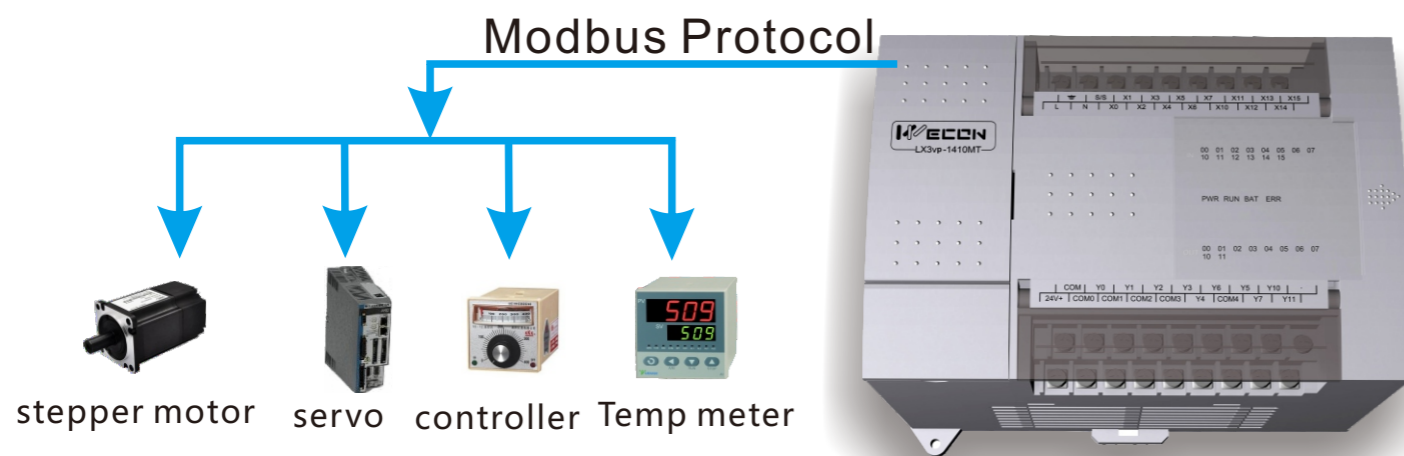
- **Powerful Analog Extension**

LX3VP can connect multi extend modules, such as analog extend module, digital extend module; LX3VP can support BD boards, such as analog BD board and RS485 communication BD board;

- **The new models LX3VE**

Based on the LX3VP, we launched a new model LX3VE . Except all the functions of LX3VP, the LX3VE can also support S-type acceleration and deceleration, Send pulse jitter and E-CAM

## COM2 Rs485 communiation



## The extension modules it supports :

**The IO module : LX3V-16EX , LX3V-16EYT/R**

**Special module : LX3V-4AD, LX3V-4DA, LX3V-4PT, LX3V-4TC, LX3V-4LTC, LX3V-2WT, LX3V-1WT, LX3V-4PG, LX3VP-4PG**

**BD Board : LX3V-2AD2DA-BD, LX3V-2ADV2DAV-BD, LX3V-2PT2DA-BD, LX3V-2TC2DA-BD, LX3V-4ADI-BD, LX3V-4ADV-BD, LX3V-2RS485-BD**

NEW

# LX3V-4PGA module

## ● High speed output

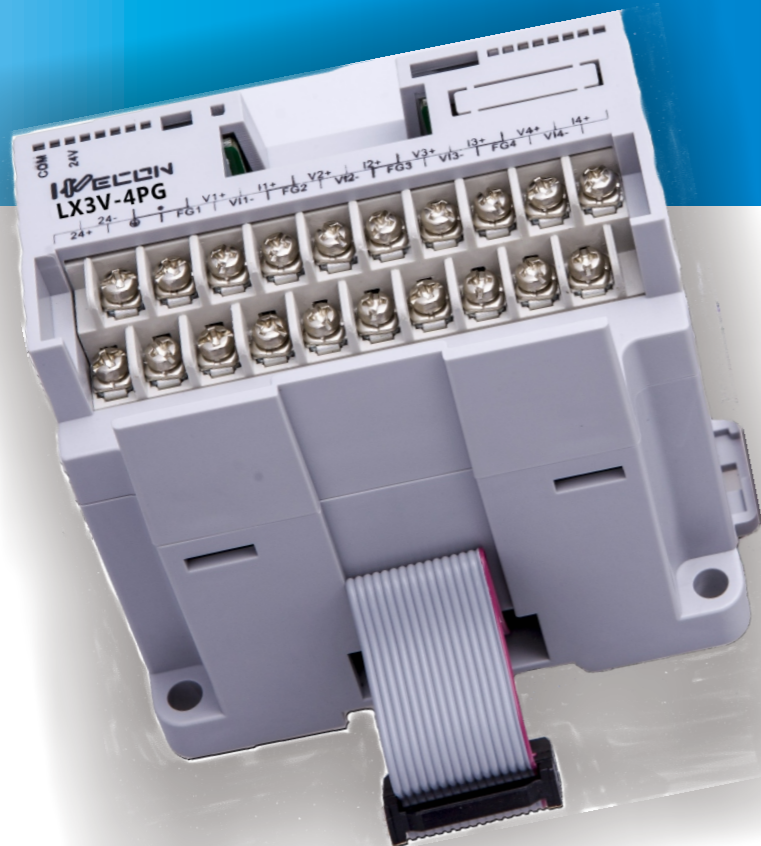
It can support 4 independent channel 200KHz high speed pulse output, and can also support 4 channel 200KHz high speed pulse output at the same time; support trapezoidal acceleration and deceleration.

## ● Position output

Support relative positioning and absolute positioning; support single-speed positioning

## ● Other functions

Support Software stop signal; support jog operation  
Support forward and reverse pulse stop; support point return operation



NEW

# LX3VP-4PGB module

## ● High-speed output

It can support 4 independent channel 200KHz high speed pulse output, and can also support 4 channel 200KHz high speed pulse output at the same time; support trapezoidal acceleration and deceleration, support S-type acceleration and deceleration

## ● Positioning output

Support relative positioning and absolute positioning; support single-speed positioning, support dual-speed positioning support interrupt single-speed positioning; support variable speed operation

## ● other function

Support Software stop signal; support jog operation  
Support forward and reverse pulse stop; support point return operation.

