

VEICHI

VC Series PLC



VEICHI

Suzhou Veichi Electric Co., Ltd
No.1000 Songjia road, Wuzhong Economic and Technological
Development Zone, Suzhou
Mobile:+86-138 2881 8903
E-mail:overseas@veichi.com
Facebook: <https://www.facebook.com/veichigroup>
Whatsapp: +86- 138 2881 8903 [Http://www.veichi.org](http://www.veichi.org)



Wechat Official Account
*Version 2021 V1.1
Veichi Electric Co., Ltd all rights reserved,
subject to change without notice.

Company Profile

Veichi Electric is a national high-tech enterprise with the ability of R&D, manufacturing and selling of industrial automation products. Since establishment, Veichi Electric always focused on the field of electric drive and industrial control, and has won many titles as Jiangsu Provincial Enterprise Technology Center, Jiangsu Province Private Technology Enterprise, "Competitive Brand in Motion Control" and son on. The company has two R&D and production bases in Shenzhen & Suzhou, and has established a wholly-owned subsidiary in India. Now Veichi business have covered many countries and regions, providing competitive, safe and reliable products and services worldwide.

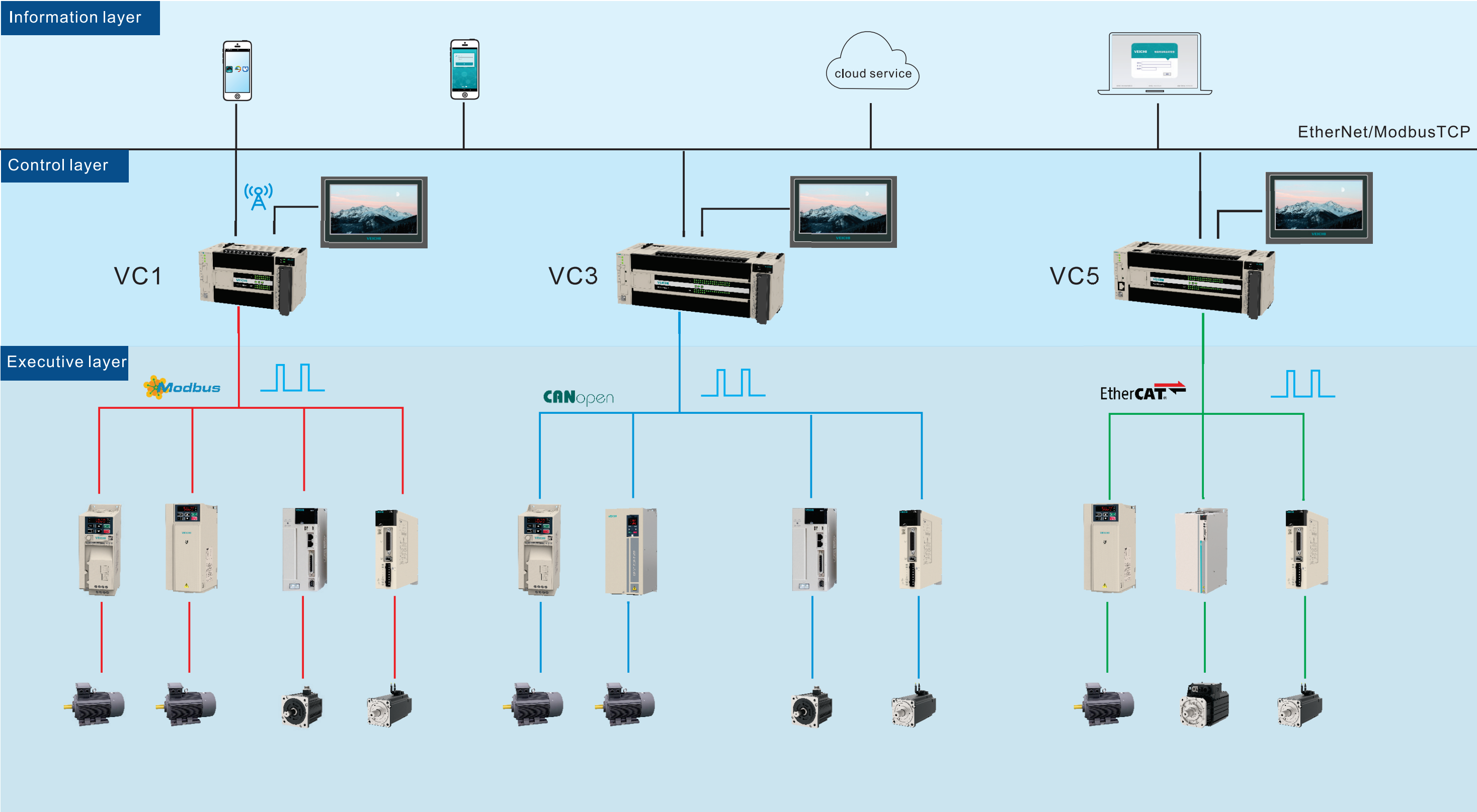
After years of self-dependent research and innovation, Veichi Electric has developed a series of independent intellectual property rights. Up to December 31, 2019, the company has obtained 91 authorized patents and 15 patents of that are invention patents. There are 29 patents more in the application process and 19 patents of that are invention patents. Moreover, 54 software copyrights have obtained.

Veichi Electric provides a wide range of products, including inverters from 0.4kW to 1,200kW, servo systems from 50W to 55kW, motion controllers, PLC and HMI, etc to customer in lifting and mining facilities, rail transportation, machine tools, compressors, plastics, solar pumping, building materials, robots or manipulator, printing and packaging, textile and chemical fiber, metallurgy, municipal administration, petroleum, chemical and other industries.

In the next 10 years, Veichi Electric will continue to adhere to the business philosophy of "oriented by market demand, driven by technological innovation", and strengthen the core business of inverters, servo systems and motion controllers, and intelligent IOT systems. We always stick to provide customers with excellent products and services, and spare no efforts to promote the development of electrical transmission and industrial control field.



Veichi industrial automatic control system solutions



PLC series product planning

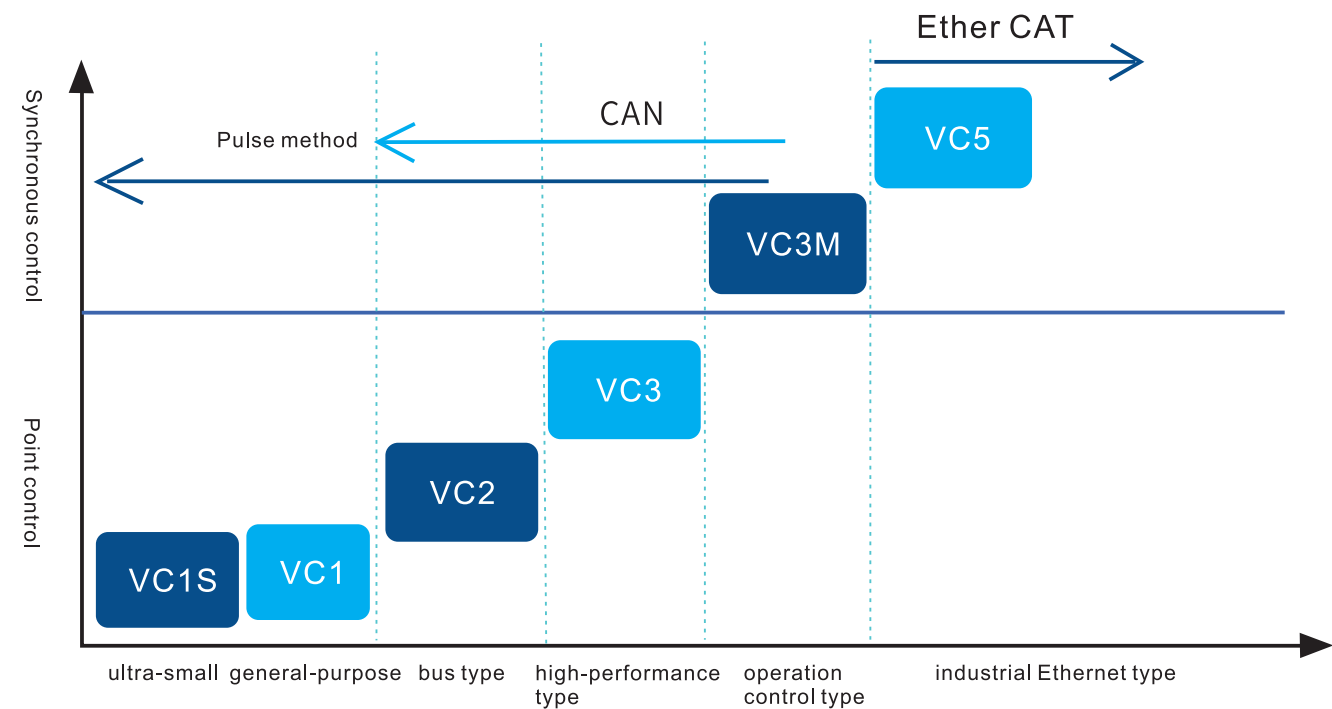
PLC is divided into several series of ultra-small, general-purpose, bus type, high-performance type, operation control type and industrial Ethernet type.

Among them, VC1 and VC1S are aimed at higher cost-effective applications of logic control below three pulses.

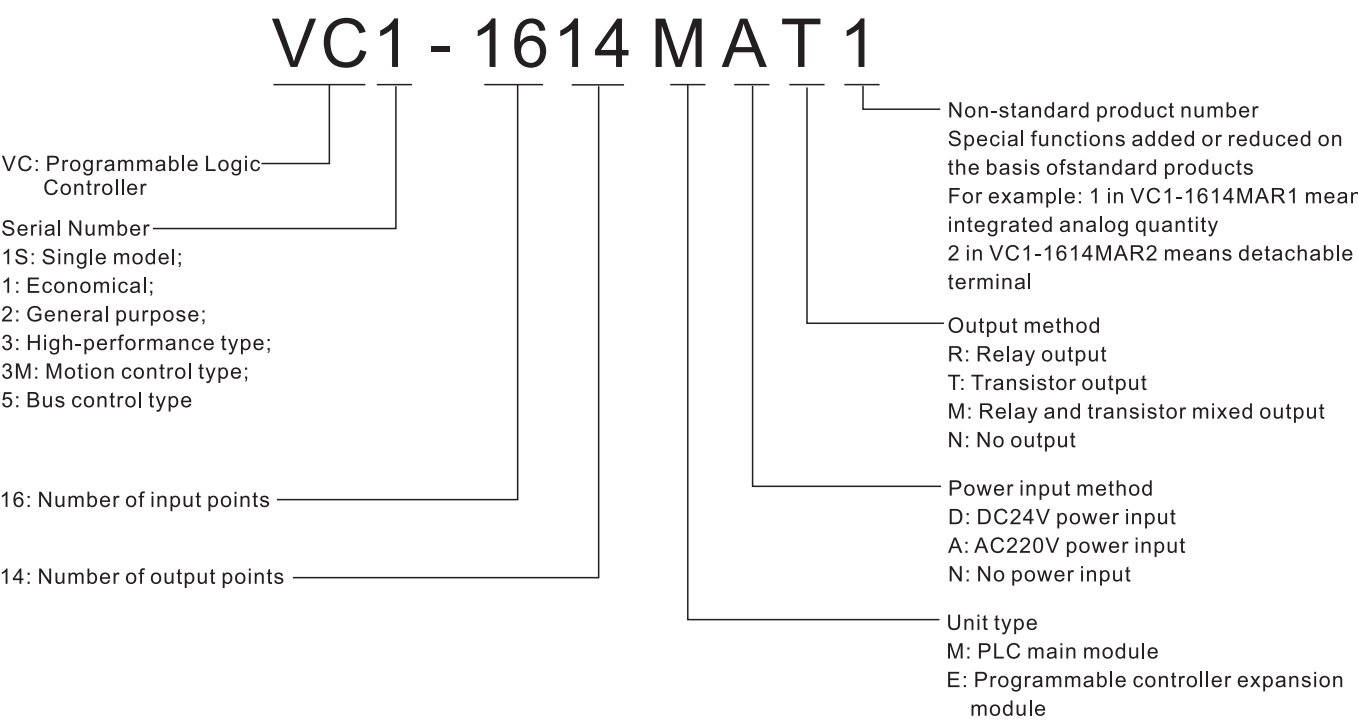
The VC2 series is aimed at applications based on CANOpen bus type control.

VC3 is aimed at the application of multi-channel pulse control. VC3M is aimed at pulse-based motion control.

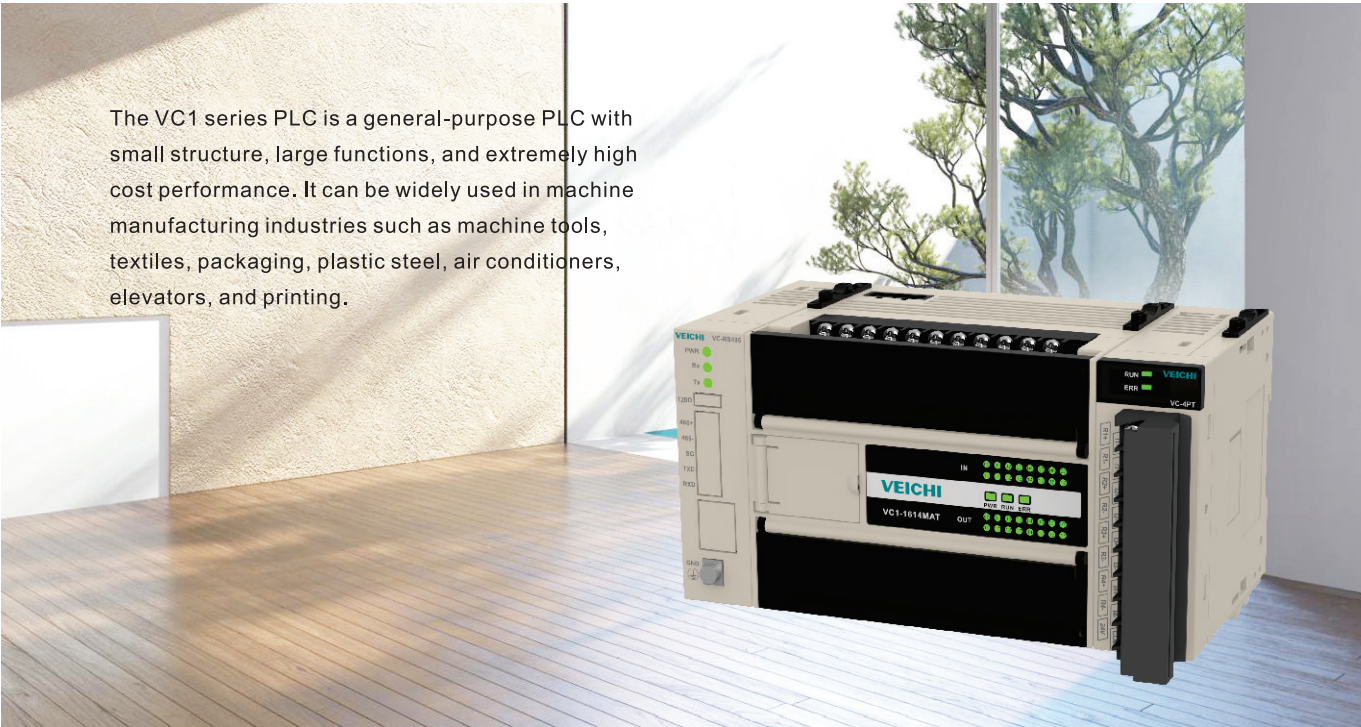
VC5 is aimed at industrial Ethernet applications based on EtherCAT.



VC series main module naming rules

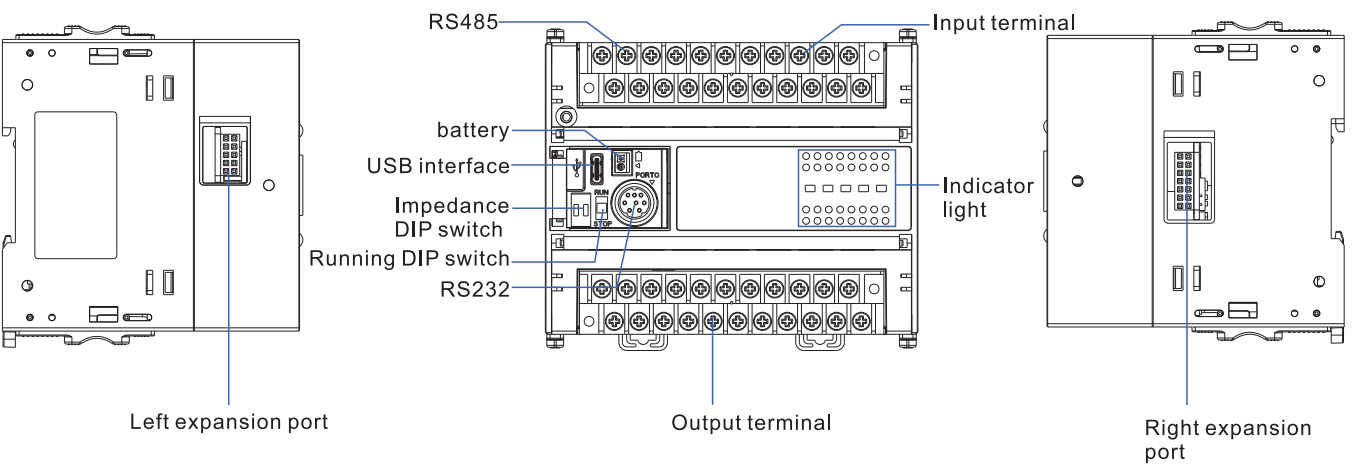


VC1 series product introduction



- User program supports up to 16k steps
- 3 channels 100kHz pulse output
- 2 channels of 50kHz high-speed counting, 6 channels of 10kHz high-speed counting
- 1 way 232, 1 way 485
- Can expand 1 way 485 through the left expansion module
- Support Ethernet through left expansion
- Support USB communication, make debugging more convenient and quick
- Rich expansion modules
- Convenient firmware upgrade

VC1 series PLC port introduction



VC1 series product specifications

Index name		Specification
Normal	basic command execution time	0.2uS
	Real-time clock	±45 seconds/month (normal temperature)
Memory	Program capacity	16K steps
	The program is permanently saved after power off	Support
	Power-down save soft components	FLASH permanent storage, maximum 2000 word components
IO	Maximum IO points	128
	Maximum number of expansion modules	15
	Digital filter function	8 input points software can set the filter time, later each point adopts hardware filter, the filter constant is 10ms
Positioning control	Maximum pulse output (transistor)	3 channels 100kHz
	Single-phase counting channel	2 channels with the highest input frequency of 50kHz, 6 channels with the highest input frequency of 10kHz
	Two-phase counting channel	1 channel with the highest input frequency of 25kHz, 2 channels with the highest input frequency of 5kHz
Communication	Serial communication port	1 way 232, 1 way 485
	Ethernet	None
	USB communication	USB 2.0

Product number	Description	Certification
VC1-1410MAR	Small PLC-VC1 series-14 points input 10 points relay output-VC1 general main module	CE
VC1-1410MAT	Small PLC-VC1 series-14 points input 10 points transistor output-VC1 general main module	CE
VC1-1614MAR	Small PLC-VC1 series-16 points input 14 points relay output-VC1 general main module	CE
VC1-1614MAT	Small PLC-VC1 series-16 points input 14 points transistor output-VC1 general main module	CE
VC1-2820MAR	Small PLC-VC1 series-28 points input 20 points relay output-VC1 general main module	CE
VC1-2820MAT	Small PLC-VC1 series-28 points input 20 points transistor output-VC1 general main module	CE
VC1-3624MAR	Small PLC-VC1 series-36 points input 24 points relay output-VC1 general main module	CE
VC1-3624MAT	Small PLC-VC1 series-36 points input 24 points transistor output-VC1 general main module	CE
VC1-1410MAR2	Small PLC-VC1 series-14 points input and 10 points relay output-VC1 general main module / detachable terminal	CE
VC1-1410MAT2	Small PLC-VC1 series-14 points input and 10 points transistor output-VC1 general main module / detachable terminal	CE
VC1-1614MAR2	Small PLC-VC1 series-16 points input and 14 points relay output-VC1 general main module / detachable terminal	CE
VC1-1614MAT2	Small PLC-VC1 series-16 points input and 14 points transistor output-VC1 general main module / detachable terminal	CE
VC1-2820MAR2	Small PLC-VC1 series-28 points input and 20 points relay output-VC1 general main module / detachable terminal	CE
VC1-2820MAT2	Small PLC-VC1 series-28 points input and 20 points transistor output-VC1 general main module / detachable terminal	CE
VC1-3624MAR2	Small PLC-VC1 series-36 points input and 24 points relay output-VC1 general main module / detachable terminal	CE
VC1-3624MAT2	Small PLC-VC1 series-36 points input and 24 points transistor output-VC1 general main module / detachable terminal	CE

Expansion modules and optional accessories



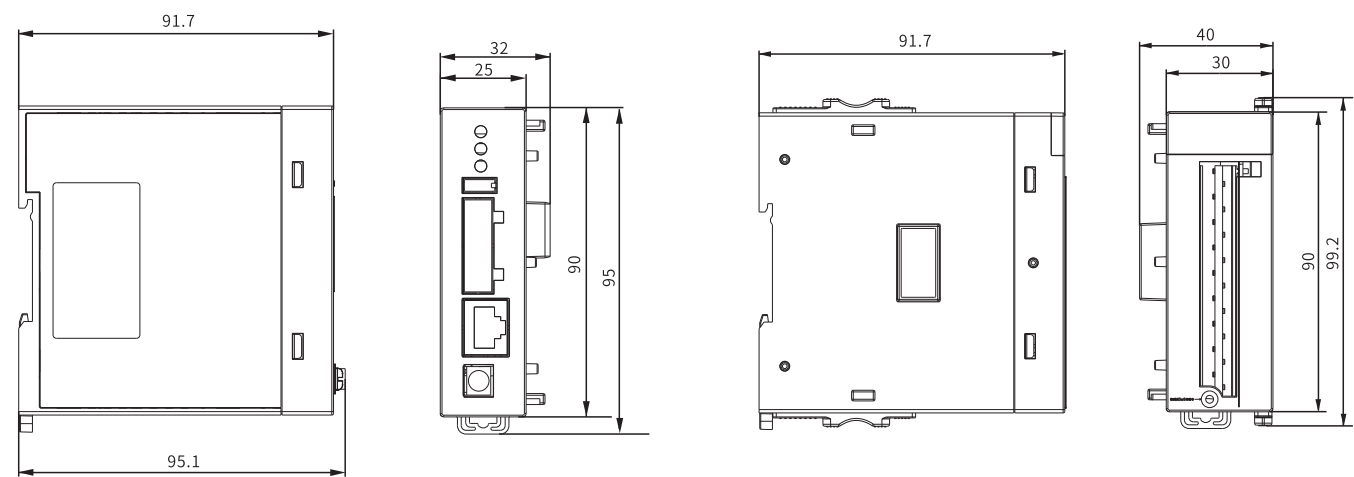
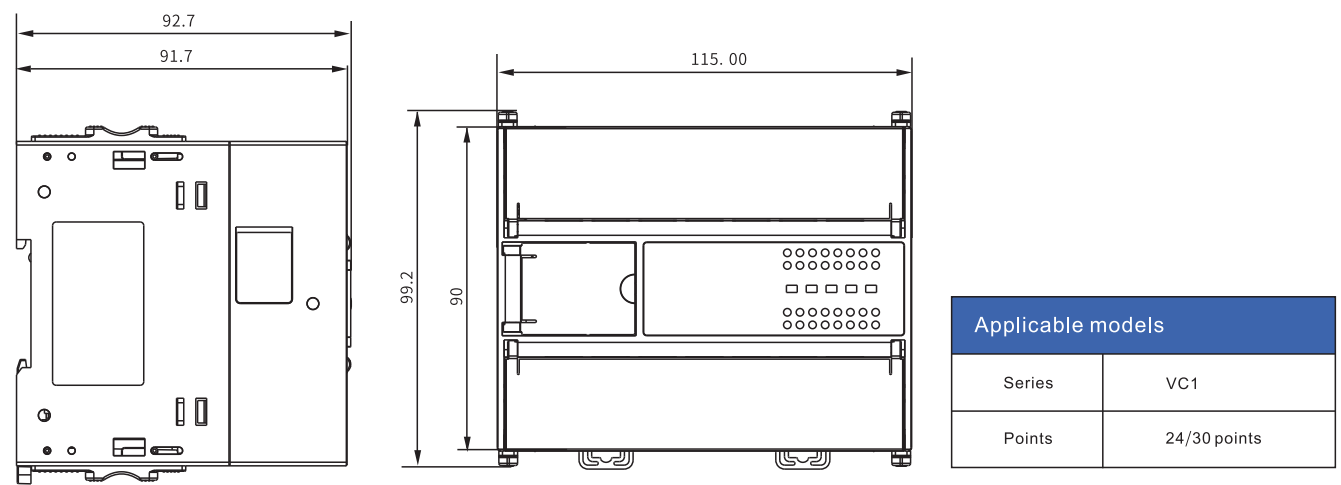
IO expansion module	Description
VC-0808ENR	8 points DC24V input, 8 points relay output
VC-0808ENT	8 points DC24V input, 8 points transistor output
VC-1600ENN	16 points DC24V input
VC-0016ENR	16 points relay output
VC-0016ENT	16-point transistor output

Left expansion module	Description
VC-RS485	RS485 left extension module
VC-ENet	Ethernet Left Expansion Module

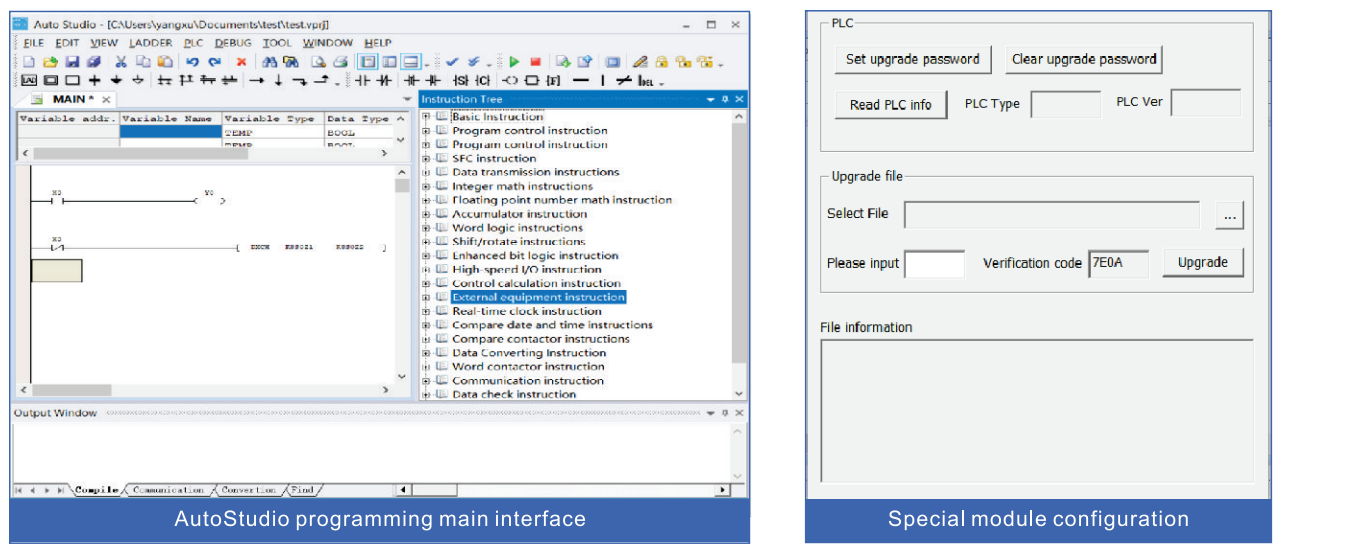
Special module	Description
VC-4AD	4 analog input module
VC-4DA	4 analog output module
VC-4TC	4 thermocouple temperature module
VC-4PT	4 thermal resistance temperature

Optional accessories	Description
VC-SL1	DB9 to DIN8 touch screen PLC serial port cable
VC-SL2	USBA head to DIN8 serial communication line
VC-SL3	USB-TypeA to USB-TypeC communication cable

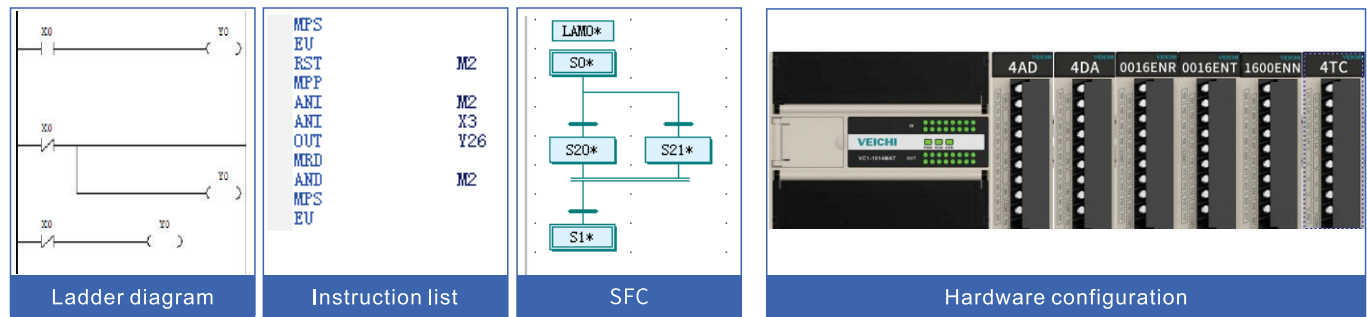
The installation size of the main module with different points and the left and right expansion modules



Programming software



Support multiple programming languages and their mutual conversion



Quickly set up complex command addresses,input and output parameters.
Automatically generate and execute subroutines to ensure the accuracy and accuracy of the procedures

