

ІНЖИНІРІНГОВА КОМПАНІЯ ПНЕВМОСІСТЕМЗ

ПНЕВМОСІСТЕМЗ пропонує рішення - які працюють
та розвивають ВАШ бізнес

ЯК офіційний сертифікований представник компанії
WECON в Україні пропонуємо послуги з впровадження
наступної техніки в Ваше виробництво:

01

HMI. Високопродуктивні HMI для сучасних систем
промислової автоматизації. підтримка IIoT та Web-доступу

02

PLC. Надійне керування обладнанням — від простих машин
до комплексних виробничих ліній. Підтримка CODESYS

03

SERVO MOTOR+DRIVER. Надійні двигуни 17/23bit енкодер.
Потужні точні контролери. Підтримка Pulse/Dir, EtherCAT

04

VFD. Invertor. Енергоефективне керування
електроприводом для будь-яких виробничих задач.

05

IIoT. Інтелектуальні IIoT-рішення для підключеного
виробництва. Дистанційний моніторинг та сервіс
обладнання в режимі реального часу



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WECON®

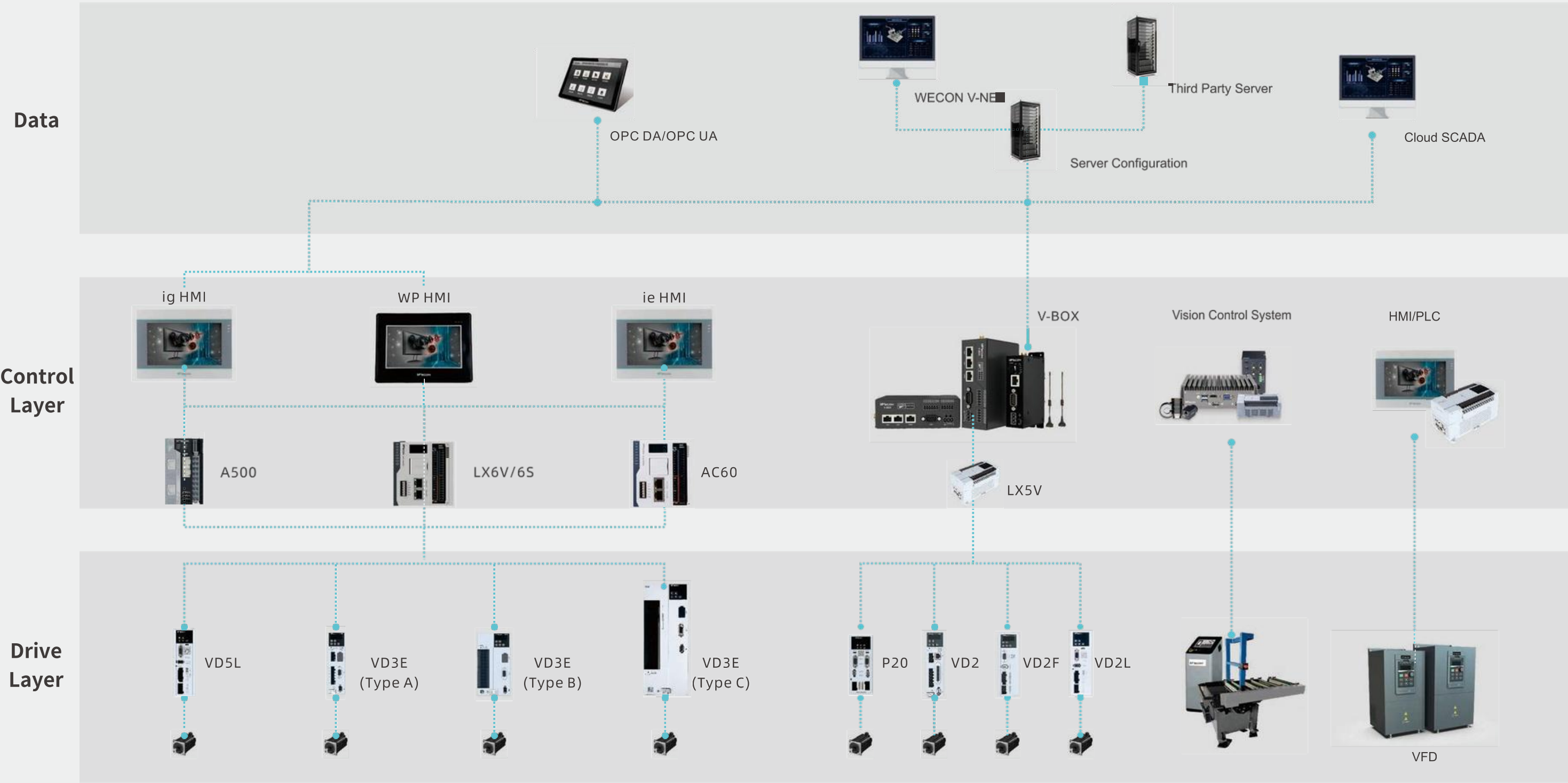
Making Better Automation to Build Your Success

Human Machine Interface/Programmable Logic Controller/
Servo Drive & Motor/IIoT V-BOX/Inverter

WECON is a high technology company in automation products and solutions, dedicating all the efforts to provide integrated products and solutions, such as Human Machine Interface (HMI), Programmable Logic Controller (PLC), Servo Drive & Motor, IIoT Solutions (V-NET and V-BOX) and Inverter.



WECON PRODUCTS



ig Series IoT HMI

ig IoT HMI, create for the Internet of Things



PI9150ig(N) High Definition IoT HMI

Aluminium Alloy Panel



High-definition
Wide Viewing Angle

Device Management

- Multi-device management
- Multi-authority account



Alarm Notification

- Alarm SMS push(4G models)
- Upload and download alarm records



Big Screen

More convenient operation
Display in high-definition and high quality



1920×1080

Aluminium Alloy Panel

Strong anti-interference, excellent heat dissipation
Anti-corrosion, and high temperature resistance



Remote Maintenance

- Sync data to cloud
- Remote access
- WVPN pass-through
- Remote debug



System Integration

- Cloud SCADA
- Big screen display
- Equipment connection



4-core CPU

With Cortex A55 high performance processor
PI8150ig has powerful operation processing capability



Complete IoT Functions

MQTT cloud protocol and database server connection
Supported more powerful IoT functions

- Real-time Monitoring Points: 500
- Alarm Monitoring Points: 300
- History Monitoring Points: 200
- History Storage: 120 days / 1 millions



WP SPECIFICATIONS

Waterproof HMI



Model	WP3070	WP3071
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Item		Specifications	
CPU		High Performance CPU	
Touch Screen		Resistive	
Display	Screen Size	7 Inch	
	Resolution	1024*600	
	Brightness	350 cd/m ²	
	Backlight Type	LED	
	Backlight Life	50,000 Hours	
Storage	Flash	128MB	
	RAM	128MB	
	SD Card	N/A	
I/O Port	USB	USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1	
	Serial Port	Type 1: COM1(RS232), COM1(RS485) Isolation	COM1:RS232
		Type 2: COM1(RS232), COM1(RS422) Isolation	
	Ethernet	N/A	YES
	4G/WIFI Module	Optional	
	CAN	N/A	
	HDMI Port	N/A	
Permanent Calendar		Built-in	
Power	Power Supply	24V DC(12~28V DC)	
	Power Consumption	<8W	
	Isolation	YES	
Dimension	Enclosure	Plastic+ABS (Polycarbonate)	
	Dimension(mm)	202.2W*148.2H*46.7D	
	Mounting Size(mm)	192.0W*138.0H	
Environment	Protection	IP67 (Front panel)	
	Temperature	Storage:-20℃~70℃	
		Working: -10℃~55℃	
	Humidity	10 ~ 90%RH (Non-condensing)	
	Vibration Resistance	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)	
CE Certification		CE Marked	
FCC Certification		FCC Class A	
Programming Software		PI Studio	
Software	IoT Service (optional)	Real-time Monitoring Points: 100	
		Alarm Monitoring Points: 20	
		History Monitoring Points: 50	
		History Storage: 60 days / 100 millions	
	VPN Pass-through	YES	

ig SPECIFICATIONS

IoT & Basic HMI



Model	PI3070ig	PI3070ig-O-H
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Item		Specifications	
CPU		High Performance CPU	
Touch Screen		Resistive	
Display	Screen Size	7 Inch	7 Inch
	Resolution	800*480	1024*600
	Brightness	250 cd/m ²	250 cd/m ²
	Backlight Type	LED	
	Backlight Life	50,000 Hours	
Storage	Flash	128MB	
	RAM	128MB	
	SD Card	YES	
I/O Port	USB	USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1 (cannot be used at the same time)	
	Serial Port	Type 1: COM1(RS232), COM1(RS485), COM1(RS485)	
		Type 2: COM1(RS232), COM1(RS422), COM1(RS485)	
	Ethernet	YES	
	CAN	N/A	
	4G/WIFI Module	Optional	N/A
Permanent Calendar		Built-in	
Power	Power Supply	24V DC (12~28V DC)	
	Power Consumption	<8W	
Dimension	Enclosure	Plastic+ABS (Polycarbonate)	
	Dimension(mm)	201.2W*147.2H*39.0D	
	Mounting Size(mm)	192.0W*138.0H	
	Net Weight (KG)	0.52	
Environment	Protection	IP65 (Front panel)	
	Temperature	Storage: -20℃~70℃	
		Working: -10℃~55℃	
	Humidity	10 ~ 90%RH (Non-condensing)	
	Vibration	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)	
CE Certification		CE Marked	
FCC Certification		FCC Class A	
Programming Software		PI Studio	
Software	IoT Service (optional)	Real-time Monitoring Points: 100	
		Alarm Monitoring Points: 20	
		History Monitoring Points: 50	
		History Storage: 60 days / 1 millions	
	VPN Pass-through	YES	

ig SPECIFICATIONS

IoT & Basic HMI											
Model					PI3101ig(N)		PI3102ig		PI3102ig-O-H		
Item					Specifications						
CPU					High Performance CPU						
Touch Screen					Resistive						
Display	Screen Size				10.1 Inch						
	Resolution				1024*600						
	Brightness				350 cd/m²						
	Backlight Type				LED						
	Backlight Life				50,000 Hours						
Storage	Flash				128MB						
	RAM				128MB						
	SD Card				YES						
I/O Port	USB				USB Type-C 2.0 x 1 Device: USB2.0 x 1		USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1 (cannot be used at the same time)				
	Serial Port				Type 1: COM1(RS232), COM1(RS485), COM1(RS485) Type 2: COM1(RS232), COM1(RS422), COM1(RS485)						
	Ethernet				2 * Ethernet Ports		1 * Ethernet Port		1 * Ethernet Port		
	CAN				N/A						
	4G/WIFI Module				Optional		Optional		N/A		
	Permanent Calendar					Built-in					
Power	Power Supply				24V DC (12~28V DC)						
	Power Consumption				<10W						
Dimension	Enclosure				Plastic+ABS (Polycarbonate)						
	Dimension(mm)				271.0W*214.0H*41.5D		272.0W*191.0H*41.5D		272.0W*191.0H*41.5D		
	Mounting Size(mm)				259.0W*202.0H		260.0W*179.0H		260.0W*179.0H		
	Net Weight (KG)				1.26		1.02		1.02		
Environment	Protection				IP65 (Front panel)						
	Temperature				Storage: -20℃~70℃ Working: -10℃~55℃						
	Humidity				10 ~ 90%RH (Non-condensing)						
	Vibration				10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)						
CE Certification					CE Marked						
FCC Certification					FCC Class A						
Programming Software					PI Studio						
Software	IoT Service (optional)				Real-time Monitoring Points: 100					N/A	
					Alarm Monitoring Points: 20					N/A	
					History Monitoring Points: 50					N/A	
					History Storage: 60 days / 1 millions					N/A	
VPN Pass-through					YES					N/A	

ig SPECIFICATIONS

IoT HMI		  			
Model		PI8043ig	PI8070ig	PI8070ig(N)	PI8101ig(N)
Item		Specifications			
CPU		High Performance CPU			
Touch Screen		Resistive			
Display	Screen Size	4.3 Inch	7 Inch	10.1 Inch	
	Resolution	480*272	800*480	1024*600	
	Brightness	300 cd/m²	250 cd/m²	350 cd/m²	
	Backlight Type	LED			
	Backlight Life	50,000 Hours			
Storage	Flash	4GB			
	RAM	512MB			
	SD Card	N/A	YES		YES (TF Card)
I/O Port	USB	USB Host: 2.0 x 1; USB Device: Type-C 2.0 x1 (cannot be used at the same time)	USB Host: 2.0 x 1; USB Client: USB 2.0 x 1 (cannot be used at the same time)	USB Host: 2.0 x 1; USB Device: Type-C 2.0 x1	
	Serial Port	Type 1: COM1(RS232), COM1(RS485), COM1(RS485) Type 2: COM1(RS232), COM1(RS422), COM1(RS485)			
	Ethernet	1* Ethernet port		2* Ethernet ports	
	CAN	N/A			
	4G/WIFI Module	Optional			
Permanent Calendar		Built-in			
Power	Power Supply	24V DC (12~28V DC)			
	Power Consumption	<8W		<10W	
Dimension	Enclosure	Plastic+ABS (Polycarbonate)			
	Dimension(mm)	142.0W*86.0H*30.5D	201.2W*147.2H*39.0D		271.0W*214.0H*41.5D
	Mounting Size(mm)	131.0W*76.5H	192.0W*138.0H		259.0W*202.0H
	Net Weight (KG)	0.39	0.52		1.26
Environment	Protection	IP65 (Front panel)			
	Temperature	Storage: -20℃~70℃ Working: -10℃~55℃			
		Humidity			
	Humidity	10 ~ 90%RH (Non-condensing)			
Vibration	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)				
CE Certification		CE Marked			
FCC Certification		FCC Class A			
Programming Software		PI Studio			
Software	IoT Service (optional)	Real-time Monitoring Points: 300			
		Alarm Monitoring Points: 200			
		History Monitoring Points: 100			
		History Storage: 120 days / 1 millions			
VPN Pass-through		YES			

ig SPECIFICATIONS

IoT HMI				
				
Model	PI8102ig	PI8121ig(N)	PI8150ig	PI8150ig(N)

Item		Specifications			
CPU		High Performance CPU			
Touch Screen		Resistive			
Display	Screen Size	10.1 Inch	12.1 Inch	15.6 Inch	15 Inch
	Resolution	1024*600	1024*768	1920*1080	1024*768
	Brightness	350 cd/m²	500 cd/m²	250 cd/m²	300 cd/m²
	Backlight Type	LED			
	Backlight Life	50,000 Hours			
Storage	Flash	4GB			
	RAM	512MB			
	SD Card	N/A	YES (TF Card)		
I/O Port	USB	USB Host: 2.0 x 1; USB Client: USB 2.0 x 1 (cannot be used at the same time)	USB Host: 2.0 x 1; USB Device: Type-C 2.0 x1	USB Host: 2.0 x 1; USB Client: USB 2.0 x 1 (cannot be used at the same time)	
	Serial Port	Type 1: COM1(RS232), COM1(RS485), COM1(RS485)			
		Type 2: COM1(RS232), COM1(RS422), COM1(RS485)			
	Ethernet	1* Ethernet port	2* Ethernet ports	1* Ethernet port	2* Ethernet ports
	CAN	N/A			
	4G/WIFI Module	Optional			
Permanent Calendar		Built-in			
Power	Power Supply	24V DC (12~28V DC)	24V DC (18~28V DC)		
	Power Consumption	<10W	<15W		
Dimension	Enclosure	Plastic+ABS (Polycarbonate)	Aluminum + Metal + ABS (Polycarbonate)		
	Dimension(mm)	272.0W*191.0H*41.5D	316.0W*239.0H*40.2D	403.0W*253.0H*35.2D	362.0W*90.0H*40.8D
	Mounting Size(mm)	260.0W*179.0H	303.0W*226.0H	394.0W*244.0H	352.0W*279.0H
	Net Weight (KG)	1.02	2.46		
Environment	Protection	IP65 (Front panel)			
	Temperature	Storage: -20℃~70℃		Storage: -20℃~60℃	Storage: -20℃~70℃
		Working: -10℃~55℃		Working: 0℃~50℃	Working: -10℃~55℃
	Humidity	10 ~ 90%RH (Non-condensing)			
	Vibration	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)			
CE Certification		CE Marked			
FCC Certification		FCC Class A			
Programming Software		PI Studio			
Software	IoT Service (optional)	Real-time Monitoring Points: 300			
		Alarm Monitoring Points: 200			
		History Monitoring Points: 100			
		History Storage: 120 days / 1 millions			
	VPN Pass-through	YES			

ig SPECIFICATIONS

High-End HMI		
		
Model	PI9102ig	PI9150ig(N)

Item		Specifications	
CPU		High Performance CPU	
Touch Screen		Resistive	
Display	Screen Size	10.1Inch	15.6 Inch
	Resolutio n	1024*600	1920*1080
	Brightnes s	350cd/m²	350cd/m²
	Backlight Type	LED	
	Backlight Life	50,000 Hours	
Storage	Flash	8GB	
	RAM	2GB	
	SD Card	N/A	YES (TF Card)
I/O Port	USB	USB Host: 2.0 x 1; USB Device: Type-C 2.0 x1 (cannot be used at the same time)	
	Serial Port	Type 1: COM1(RS232), COM1(RS485), COM1(RS485), Isolation Type 2: COM1(RS232), COM1(RS422), COM1(RS485), Isolation	Type 1: COM1(RS232), COM1(RS485), COM1(RS485) Type 2: COM1(RS232), COM1(RS422), COM1(RS485)
	Ethernet	1* Ethernet port	2* Ethernet ports
	4G/WIFI Module	Optional	
Permanent Calendar		Built-in	
Power	Power Supply	24V DC (18~28V DC)	
	Power Consumption	<15W	
	Isolation	YES	N/A
Dimension	Enclosure	Plastic+ABS (Polycarbonate)	Aluminum + Metal + ABS (Polycarbonate)
	Dimension(mm)	272.0W*191.7H*41.5D	403.0W*252.7H*35.2D
	Mountin g Size(mm)	260.0W*179.0H	394.0W*244.0H
	Net Weight (KG)	1.05	2.7
Environment	Protectio n	IP65 (Front panel)	
	Temperature	Storage:-20℃~70℃ Working: -10℃~55℃	Storage:-20℃~60℃ Working: 0℃~50℃
	Humidity	10 ~ 90%RH (Non-condensing)	
	Vibration	10 ~ 25 Hz (X, Y, Z direction 2G/30 minutes)	
CE Certification		CE Marked	
FCC Certification		FCC Class A	
Programmin g Software		PI Studio	
Software	IoT Service (optional)	Real-time Monitoring Points: 500	
		Alarm Monitoring Points: 300	
		History Monitoring Points:200	
	VPN Pass-through	History Storage: 120 days / 1 millions	
		YES	

PI3000ie SPECIFICATIONS

Economical HMI



Model		PI3035ie	PI3043ie	PI3043ieS-N	PI3043ie-T
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Item		Specifications			
CPU		Cortex A35			
Touch Screen		Resistive			
Display	Screen Size	3.5 Inch	4.3 Inch	4.3 Inch	4.3 Inch
	Resolution	320*240	480*272	480*272	480*272
	Brightness	300cd/m²			
	Backlight Type	LED			
	Backlight Life Time	50,000 Hours			
Storage	Flash	128MB			
	RAM	64MB			
	SD Card	N/A			
	RTC	Real TimeClock			
I/O Port	Micro-USB	USB 2.0 x 1			
	Serial Port	Type 1: COM1(RS232), COM1(RS485)	Type 1: COM1(RS232), COM1(RS485)	Type 1: COM1(RS232), COM1(RS485), COM1(RS485)	Type 1: COM1(RS232), COM1(RS485)
		Type 2: COM1(RS232), COM1(RS422)	Type 2: COM1(RS232), COM1(RS422)	Type 2: COM1(RS232), COM1(RS422), COM1(RS485)	Type 2: COM1(RS232), COM1(RS422)
	Ethernet	N/A	N/A	YES	N/A
Permanent Calendar		Built-in			
Power	Power Supply	24V DC(12~28VDC)			
	Power Consumption	< 5W			
Dimension	Enclosure	Plastic+ABS (Polycarbonate)			
	Dimension(mm)	96.0W*81.0W*33.0D	142.0W*86.0H*30.3D		142.0W*86.0H*38.9D
	Mounting Size (mm)	91.0W*73.0D	131.0W*76.5H		131.0W*79.0H
	Net Weight(KG)	0.14	0.19		0.21
Environment	Protection	IP65 (Frontpanel)			
	Temperature	Storage: -20°C~70°C; Working:-10°C~55°C			
	Humidity	10 ~ 90%RH (Non-condensing)			
	Vibration Resistance	10 ~ 25 Hz (X, Y, Z direction2G/30minutes)			
CE Certification		CE Marked			
Programming Software		PI Studio			
Remote Control		N/A			

PI3000ie SPECIFICATIONS

Economical HMI			
			
Model		PI3070ie	PI3102ie
Item		Specifications	
CPU		Cortex A35	
Touch Screen		Resistive	
Display	Screen Size	7 Inch	10.2 Inch
	Resolution	800*480	1024*600
	Brightness	250 cd/m²	350 cd/m²
	Backlight Type	LED	
	Backlight Life Time	50,000 Hours	
	Flash	128MB	
Storage	RAM	64MB	
	SD Card	NA	
	USB	USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1	
Ports	Serial Port	Type 1: COM1(RS232), COM1(RS485)	
		Type 2: COM1(RS232), COM1(RS422)	
	Ethernet	N/A	
Permanent Calendar		Built-in	
Power	Power Supply	24V DC(12~28V DC)	
	Power Consumption	< 8W	< 10W
Dimension	Enclosure	Plastic+ABS (Polycarbonate)	
	Dimension(mm)	201.2W*147.2H*39.0D	272.0W*191.0H*41.5D
	Mounting Size (mm)	192.0W*138.0H	260.0W*179.0H
	Net Weight(KG)	0.52	1.02
Environment	Protection	IP65 (Frontpanel)	
	Temperature	Storage: -20°C~70°C; Working -10°C~55°C	
	Humidity	10 ~ 90%RH(Non-condensing)	
	Vibration Resistance	10 ~ 25 Hz (X, Y, Z direction2G/30minutes)	
CE Certification		CE Marked	
Programming Software		PI Studio	
Remote Control		N/A	

PI3000i SPECIFICATIONS



Model	PI3070i	PI3070i-2S	PI3070i-A	PI3070i-SL
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Item		Specifications			
CPU		Cortex A7			
Touch Screen		Resistive			
Display	Screen Size	7 Inch			
	Resolution	800*480			
	Brightness	250 cd/m ²			
	Backlight Type	LED			
	Backlight Life Time	50,000 Hours			
Storage	Flash	128MB			
	RAM	128MB			
	SD Card	NA	YES	YES	NA
	RTC	YES			
I/O Ports	USB	USB Host: USB 2.0 x 1; USB Client:USB 2.0 x 1			
	Serial Port	RS232, RS422/RS485 (2 in 1)	COM1: RS232,RS422/RS485		RS232, RS422/RS485 (2 in 1)
			COM2: RS232,RS485		
			COM3: RS485		
	Ethernet	N/A	YES	YES	N/A
	CAN	N/A	N/A	YES	N/A
Permanent Calendar		Built-in			
Power	Power Supply	24V DC(12~28VDC)			
	Power	< 8W			
Dimension	Enclosure	Plastic+ABS (Polycarbonate)			
	Dimension(mm)	201.2W*147.2H*39.0D	200.0W*146.0H*36.5D		191.2W*137.2H*41.0D
	Mounting Size	192.0W*138.0H	192.0W*138.0H		172.0W*111.0H
	Net Weight(KG)	0.51	0.51		0.52
Environment	Protection	IP65 (Frontpanel)			
	Temperature	Storage:-20°C~70°C ; Working:-10°C~55°C			
	Humidity	10 ~ 85%RH(Non-condensing)			
	Vibration	10 ~ 25 Hz (X, Y, Z direction2G/30minutes)			
CE Certification		CE Marked			
FCC Certification		FCC Class A			
Programming Software		PI Studio			
Remote Control		N/A			

PI3000i SPECIFICATIONS



Model	PI3102i	PI3102i-2S	PI3102i-A
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Item		Specification		
CPU		Cortex A7		
TouchScreen		Resistive		
Display	Screen Size	10.2inch		
	Resolution	1024*600		
	Brightness	350 cd/m²		
	Backlight Type	LED		
	Backlight Life	50,000 Hours		
Storage	Flash	128MB		
	RAM	128MB		
	SD Card	N/A	YES	
	RTC	YES		
I/O Port	USB	USB Host: USB 2.0 x 1; USB Client: USB 2.0 x 1		
	Serial Port	RS232, RS422/RS485 (2 in 1)	COM1: RS232,RS422/RS485	COM1: RS232 ,RS422/RS485 、CAN
			COM2: RS232,RS485	COM2: RS232,RS485
			COM3: RS485	COM3: RS485
	Ethernet	YES		
	CAN	N/A		YES
	Permanent Calendar		Built-in	
Power	Power Supply	24V DC(12~28VDC)		
	Power Consumption	<10W		
Dimension	Enclosure	Plastic+ABS (Polycarbonate)		
	Dimension(mm)	272.0W* 191.0H * 41.5D	272.0W* 190.7H * 41.3D	
	Mounting Size(mm)	260.0W* 179.0H		
	Net Weight(KG)	1.00	1.2	
Environment	Protection	IP65 (Frontpanel)		
	Temperature	Storage:-20℃~70℃; Working:-10℃~55℃		
	Humidity	10 ~ 85%RH (Non-condensing)		
	Vibration	10 ~ 25 Hz (X, Y, Z direction)2G/30minutes)		
CE Certification		CE Marked		
FCC Certification		FCC Class A		
Programming Software		PI Studio		
Remote Control		N/A		

A500 Series PLC



Platform-type

Series



Self-developed

Independent and controllable upper and lower computer system



High-performance processor

4 cores 1GHz, A35 CPU



Large capacity storage

512M running memory, 4G storage and TF card optional



Excellent expansion capabilities

Support 6 local pulse axes,
16 axes / 1ms processing speed and supports up to 32 axes



Narrow body, easy to install

Ultra-thin blade expansion module
Screw-free, removable spring terminals



Multiple download/communication methods

Support two expansion cards on host PLC
Support TF card and RTC card
Supports up to 32 expansion modules

Specification

Model	A500 Series
Program Execution	Loop scan / interrupt
Programming Language	LD/SFC/ST
Instructions	Basic instruction: 29 / Application instruction: 170
Execution Time	Basic instruction: 0.01-0.02μs
Program Capacity	5MB
Download and Monitoring	EtherNet USB TYPE-C
High Speed Output	Transistor: 6 channels 200KHz
High Speed Counter Interrupt	100 channels
Timing Interrupt	100 channels, support 0.1ms interrupt
External Input Interrupt	X0 to X7, support both rising edge and falling edge
High Speed Input (single phase)	4 channels 150KHz
High Speed Input (AB phase)	4 channels 150KHz, support 1/2/4 times frequency
Latch Function	Configured by software
Storage	Flash
Filter	For all input terminals
Serial	RS485
Temperature	Working temperature: 0 to 55℃ / Storage temperature: -20 to 70℃
Humidity	35 to 85%RH (no condensation)
Shock Resistance	JIS C 0040 Standard
Anti-interference	IEC61000-4-4 and GB/T 17626.4 standard: Noise voltage amplitude 1KVP-P, 10μs pulse width, 0.3S period, edge 5ns; continuous action for 1 minute
TF card	Support
EtherNet	100M
EtherCAT	Support up to 32 servo axes

A500 PLC Model	I / O	Output Type	Dimension (mm)	Pulse Counter	E-CAM	Pulse Output	RS485	EtherCAT	Number of Modules	Power Supply	Ethernet
A520-0808N-D	08/08	Transistor	58X108X98	4	YES	6	1	-	32	DC	YES
A521-0808N-D	08/08	Transistor	58X108X98	4	YES	6	1	8 Axis	32	DC	YES
A522-0808N-D	08/08	Transistor	58X108X98	4	YES	6	1	16 Axis	32	DC	YES
A523-0808N-D	08/08	Transistor	58X108X98	4	YES	6	1	32 Axis	32	DC	YES

A500 Series expansion module		Specification
I/O	AE30-1600	16"Digital Input
	AE30-0016N	16 * Transistor Output (NPN)
	AE30-0808N	8 * Input, 8 * Transistor Output (NPN)
	AE30-0016P *	16 * Transistor Output (PNP)
Analog	AE30-4AD	4 * Analog Input
	AE30-4DA	4 * Analog Output
Temperature	AE30-4TC *	4 * Thermocouple Input
	AE30-4PT *	4 * Thermal Resistance Input
Weighting	AE30-2WT *	2 * Weighting

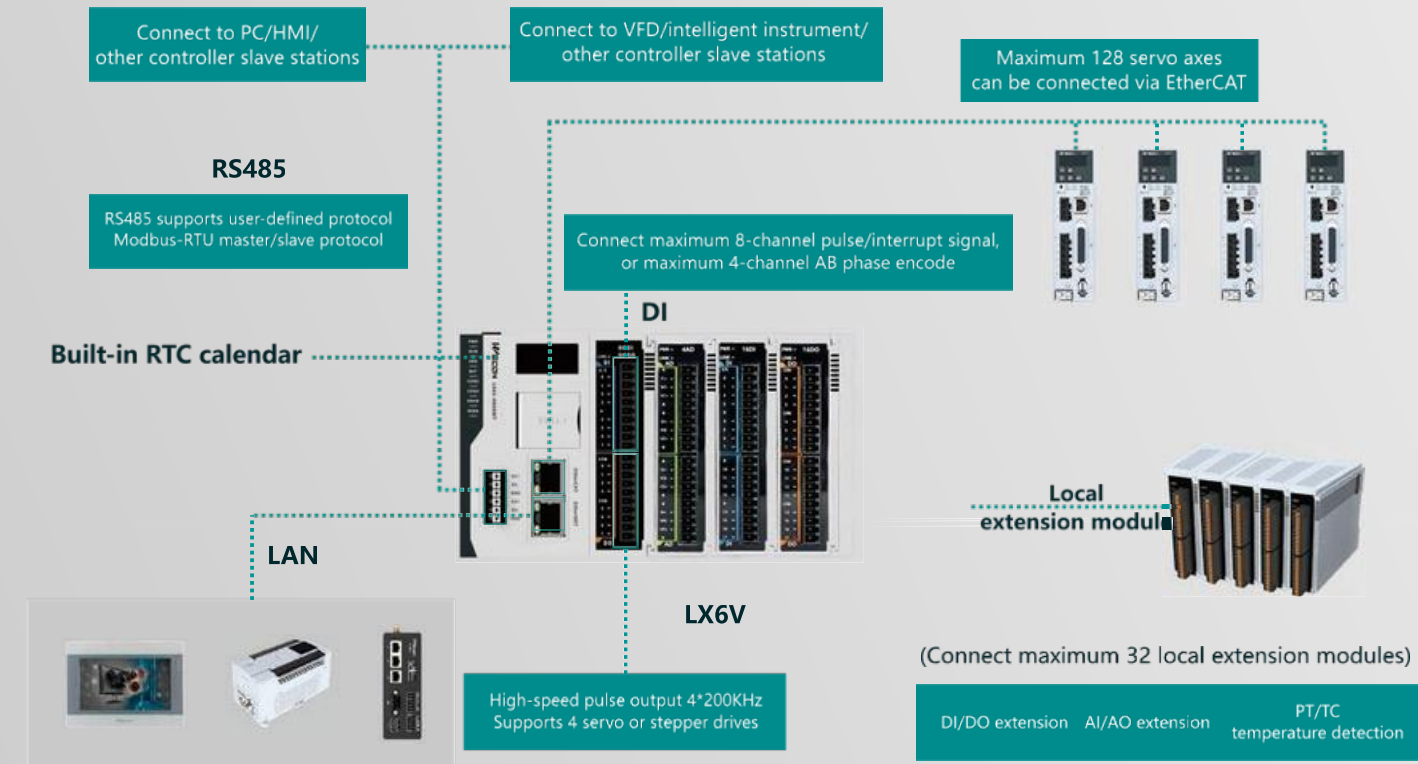
A500 Series Communication Card	Description
AL30-RTC2RS485 *	Extended real-time clock and 2-channel RS485 interface
AL30-ETH *	Extended one Ethernet interface
AL30-TF *	Extended one TF card interface

*: In developing

LX6V(6S) Series PLC

Modular EtherCAT PLC
Multi-port, fast communication, brand new product

- Supports EtherCAT and USB TYPE-C
- Supports 61131-3 LD programming mode, free tag protocol, faster and more efficient communication
- Nice appearance of PLC and module



LX6V/LX6S series PLC, small size and large capacity, a new evolution to bus PLC

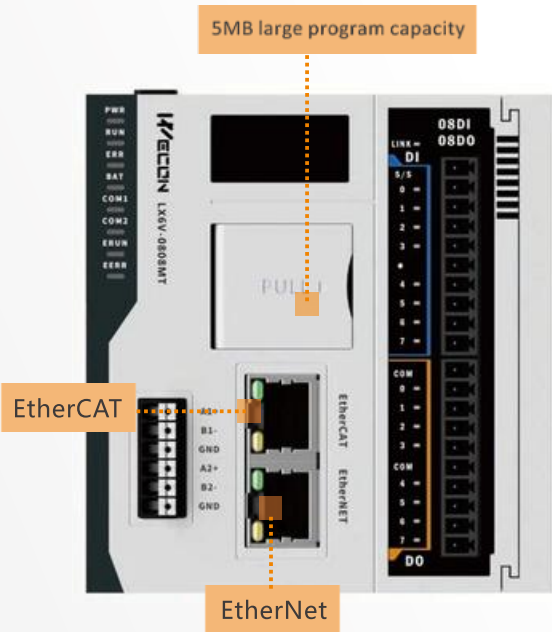
Software upgrade

- Newly designed overall encryption scheme
- Newly designed free tag protocol
- Compatible with 5V 61131-3 LD program
- Custom FB/FC
- Global variable definition
- EtherCAT configuration
- EtherNet configuration

Capacity upgrade

- 5MB large program capacity
- 512KB latched capacity
- 100KB register capacity
- 5MB free tag capacity

PLC General

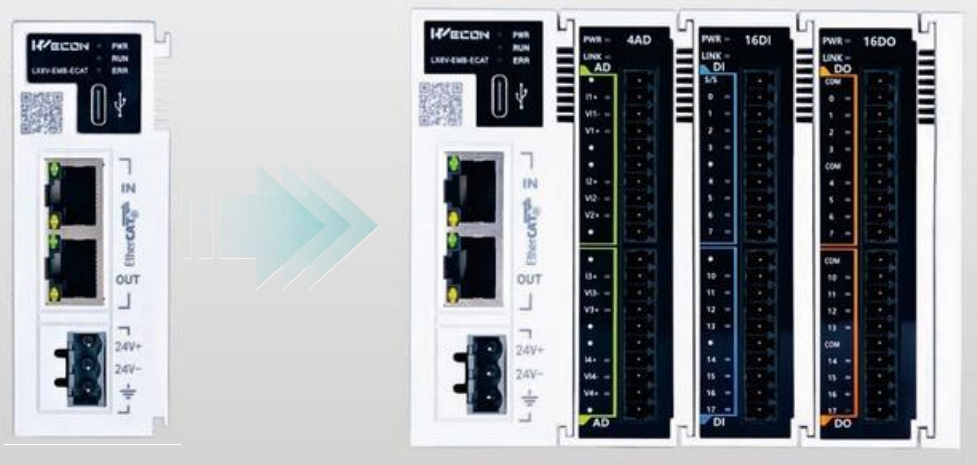


Item	LX6V(LX6S)-0808MT/1616MT
Running Mode	Cycle Scan/ Interrupt
Programming	LD/SFC/ST
Total Instructions	Basic instruction:29 / Application instruction: 170
Execute time	Basic instruction 0.01-0.02μs
System EMMC	5MB
Download/Monitoring	Programming cable (Port)
	EtherNet
	USB TYPE-C
High Speed Pulse Output	Transistor type 4 channels 200KHz
High speed counter interrupt	100 channels
Timer Interrupt	100 channels, support 0.1ms interrupt
External input interrupt	X0-X7 supports both rising and falling edges
High Speed Input Single	8 channels 150 KHz
High Speed Input AB Phase	4 channels 150K Hz, supports 2 or 4 frequency multiplication
Power-down save	Adjusted by software
Storage	FLASH
Filter	For all the input terminals
Serial Port	RS485, RS485
Temperature	Working Temperature: 0 ~ 55°C / Storage Temperature: -20 ~ 70°C
Humidity	35~85%RH (Without condensation)
Shock Resistance	JISC0040 Standard
Influence Immunity	Meet the IEC61000-4-4 and GB/T 17626.4 standard: Noise voltage amplitude 1KVP-P, pulse width 10us, period 0.3 s, edgetime 5ns, duration 1min.
TF	Support
ETHERNET	Megabit Ethernet(LX6S)/Gigabit Ethernet(LX6V)
ETHERCAT	Up to 128 servoaxes

LX6V Coupler

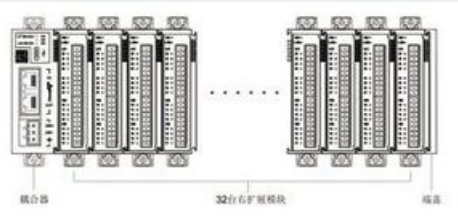
LX6V-EM□-ECAT
Remote I/O coupler

Based on EtherCAT bus technology
Diversified module types that are faster, more stable and more convenient.
Easily meet various system configurations



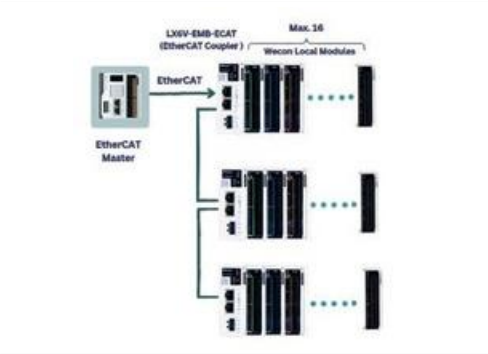
Flexible configuration & more expansion

- Support up to 32 expansion modules;
- The I/O configuration can be adjusted through the software, meeting the various requirements of different cases.



More precision and efficiency

- EtherCAT distributed I/O separates controllers and devices to achieve truly distributed control;



Easy installation

- Tool-free blade mounting;
- Compact structure is more stable;
- Small size and space-saving.



Superior performance

- High-speed bus microsecond response, speed up to 100Mbps;
- Support a large number of I/O node connections to meet high-speed data acquisition and precise control.



Specification

Universal Type



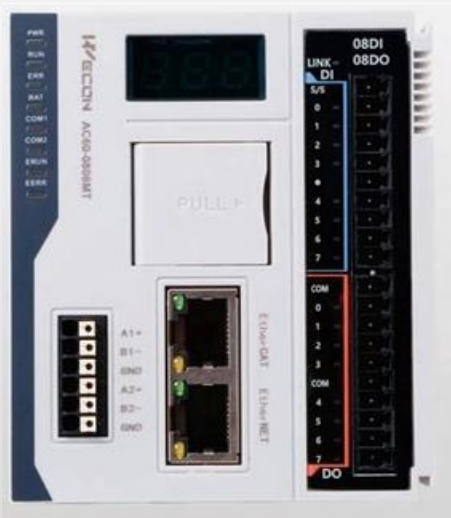
Model

LX6V-EMB-ECAT

LX6V-EMC-ECAT

Item	Specification parameter	
Maximum expansion module	16	32
Rated input voltage	DV 24V±10%, 100mA (without expansion module)	
Communication interface	RJ45×2, EtherCAT communication protocol with 100Mbps performance; EtherCAT IN: EtherCAT input port; EtherCAT OUT: EtherCAT output port.	
Transmission distance	Length of communication line between two nodes≤100m	
Transmission medium	Category 5E (cat 5e) cable or above	
Single AP process data	Maximum input and output 1024 bytes	
Synchronous	Minimum 125us	
Allowable instantaneous power-off time	10ms	
Impulse current	≤45A (loaded with maximum module)	
Power protection	Anti-reverse connection protection; overcurrent protection; surge absorption	
Firmware upgrade	Support	
Usage environment	No corrosive, combustible gas, no large amount of conductive dust	
Environment temperature	Operating temperature: -20℃ to 55℃ Storage temperature: -40℃ to 70℃	
Environment humidity	Working humidity: 10% to 90%RH (No condensation) Storage humidity: ≤90%RH (No condensation)	
Altitude	0-2000m	
Installation	Installed on DIN46277 (Width: 35mm) rail by fastener	
Overall size	40.0*92.0*95.0mm	
Available module type	LX6 series expansion module	

AC60 Series PLC

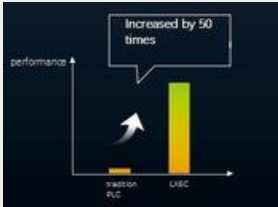


AC60
High-performance
Medium-size Controller

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	100Mbps(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)				

LX5V Series PLC

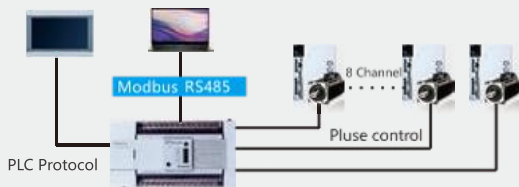


LX5S Series PLC



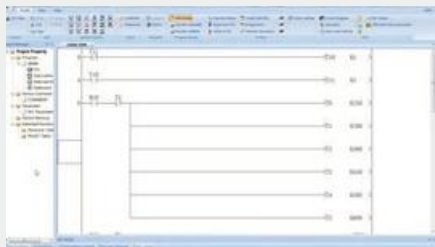
8 Channels High Speed I/O

- 8 channels 150KHz high-speed input;
- 8 channels 200KHz high-speed output;
- Fast and accurate control.



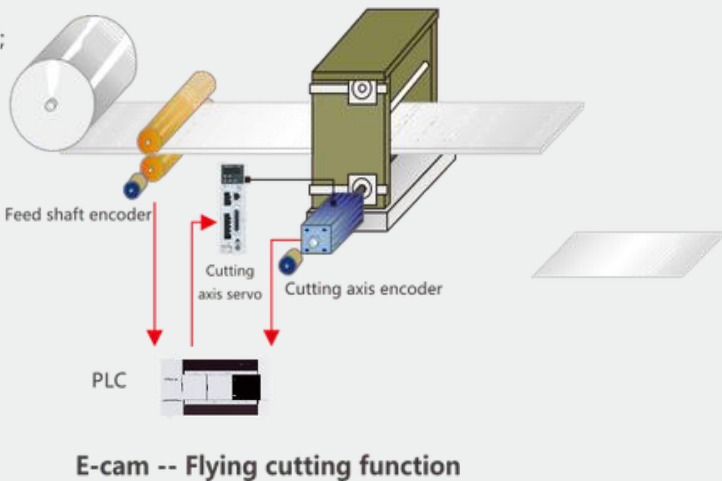
Easy Programming

- Friendly interface;
- Clear program classification;
- Detailed and clear parameter configuration.



Functions

- Support to modify frequency and position during pulse control;
- Support the highest baud rate: 921600;
- Support 100us high-speed timer interrupts;
- Support up to 100 high-speed counter interrupts;
- Support E-CAM;
- Support electronic gear;
- Support efficient and stable PID and CCPID self-tuning;
- Support LX3V series modules;
- USB power supply;
- Same software with LX5V;
- 0.03μs~0.08μs for basic instruction execution.



Execution

- 0.01μs~0.03μs for basic instruction execution;
- Supports 8 channels external X interrupt;
- Supports both rising edge and falling edge.

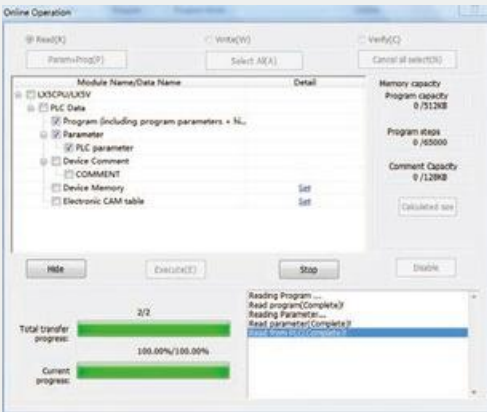


Functions

- Support to modify frequency and position during pulse control;
- Support the highest baud rate: 921600;
- Support 100μs high-speed timer interrupts;
- Support up to 100 high-speed counter interrupts;
- Support E-CAM;
- Support electronic gear;
- Support efficient and stable PID and CCPID self-tuning;
- Support BD module of LX3V series (3V Communication BD module not supported);
- USB power supply.

More Registers

- 512KB program capacity;
- 76KB latched capacity;
- 76KB register capacity;
- Added 128 timers of 0.1ms;
- Added 128 timers of 1ms.



LX6 & LX5 Series PLC Models

LX6 PLC Model	I / O	Output Type	Dimension (mm)	Pulse Counter	E-CAM	Pulse Output	RS485	EtherCAT	BD Board	Power Supply	Ethernet
LX6S-0808MT-D0	08/08	Transistor	84x93x98	4	YES	4	2	--	32	DC	Megabit
LX6S-0808MT-DA	08/08	Transistor	84x93x98	4	YES	4	2	8 Axis	32	DC	Megabit
LX6S-0808MT-DB	08/08	Transistor	84x93x98	4	YES	4	2	16 Axis	32	DC	Megabit
LX6V-0808MT-DB	08/08	Transistor	84x93x98	4	YES	4	2	16 Axis	32	DC	Gigabit
LX6V-0808MT-DC	08/08	Transistor	84x93x98	4	YES	4	2	32 Axis	32	DC	Gigabit
LX6V-0808MT-DD	08/08	Transistor	84x93x98	4	YES	4	2	64 Axis	32	DC	Gigabit
LX6V-0808MT-DE	08/08	Transistor	84x93x98	4	YES	4	2	128 Axis	32	DC	Gigabit

AC60 PLC Model	I / O	Output Type	Dimension (mm)	Pulse Counter	E-CAM	Pulse Counter	RS485	EtherCAT	BD Board	Power Supply	Ethernet
AC60-0808MT-D0	08/08	Transistor	84x93x98	4	YES	4	2	-	32	DC	Megabit
AC60-0808MT-DA	08/08	Transistor	84x93x98	4	YES	4	2	8 Axis	32	DC	Megabit
AC60-0808MT-DB	08/08	Transistor	84x93x98	4	YES	4	2	16 Axis	32	DC	Gigabit
AC60-0808MT-DC	08/08	Transistor	84x93x98	4	YES	4	2	32 Axis	32	DC	Gigabit
AC60-0808MT-DD	08/08	Transistor	84x93x98	4	YES	4	2	64 Axis	32	DC	Gigabit

LX5V Model	I/O	Output Type	Dimension (mm)	Pulse Counter	E-CAM	Pulse Output	RS485	BD Board	Module	Power Supply	Ethernet
LX5V-1412MT-A(D/AN/DN)	14/12	Transistor	137x107x87	4	YES	4	2	1	YES	AC(DC)	Optional
LX5V-1616MT-A(D/AN/DN)	16/16	Transistor	175x107x87	8	YES	8	2	2	YES	AC(DC)	Optional
LX5V-2416MT-A(D/AN/DN)	24/16	Transistor	175x107x87	8	YES	8	2	2	YES	AC(DC)	Optional
LX5V-2424MT-A(D/AN/DN)	24/24	Transistor	220x107x87	8	YES	8	2	2	YES	AC(DC)	Optional
LX5V-3624MT-A(D/AN/DN)	36/24	Transistor	220x107x87	8	YES	8	2	2	YES	AC(DC)	Optional

LX5S Model	I/O	Output Type	Dimension (mm)	Pulse Counter	E-CAM	Pulse Output	RS485	BD Board	Module	Power Supply	Ethernet
LX5S-0806MT-A(D)	08/06	Transistor	75×107×87	2	YES	2	1	1	N/A	AC(DC)	N/A
LX5S-0806MR-A(D)	08/06	Relay	75×107×87	2	N/A	0	1	1	N/A	AC(DC)	N/A
LX5S-0806MR2H-A(D)	08/06	Mix	75×107×87	2	YES	2	1	1	N/A	AC(DC)	N/A
LX5S-1208MT-A(D)	12/08	Transistor	75×107×87	2	YES	2	1	1	N/A	AC(DC)	N/A
LX5S-1208MR-A(D)	12/08	Relay	75×107×87	2	N/A	0	1	1	N/A	AC(DC)	N/A
LX5S-1208MR2H-A(D)	12/08	Mix	75×107×87	2	YES	2	1	1	N/A	AC(DC)	N/A
LX5S-1412MT-A(D/AN/DN)	14/12	Transistor	137×107×87	2	YES	2	2	1	YES	AC(DC)	Optional
LX5S-1412MR-A(D/AN/DN)	14/12	Relay	137×107×87	2	YES	2	2	1	YES	AC(DC)	Optional
LX5S-1412MR2H-A(D/AN/DN)	14/12	Mix	137×107×87	2	YES	2	2	1	YES	AC(DC)	Optional
LX5S-1616MT-A(D/AN/DN)	16/16	Transistor	175×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-1616MR-A(D/AN/DN)	16/16	Relay	175×107×87	6	N/A	0	2	2	YES	AC(DC)	Optional
LX5S-1616MR2H-A(D/AN/DN)	16/16	Mix	175×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-1616MT4H-A(D/AN/DN)	16/16	Transistor	175×107×87	6	YES	4	2	2	YES	AC(DC)	Optional
LX5S-2416MT-A(D/AN/DN)	24/16	Transistor	175×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-2416MR-A(D/AN/DN)	24/16	Relay	175×107×87	6	N/A	0	2	2	YES	AC(DC)	Optional
LX5S-2416MR2H-A(D/AN/DN)	24/16	Mix	175×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-2416MT4H-A(D/AN/DN)	24/16	Transistor	175×107×87	6	YES	4	2	2	YES	AC(DC)	Optional
LX5S-2424MT-A(D/AN/DN)	24/24	Transistor	220×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-2424MR-A(D/AN/DN)	24/24	Relay	220×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-2424MR2H-A(D/AN/DN)	24/24	Mix	220×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-2424MT4H-A(D/AN/DN)	24/24	Transistor	220×107×87	6	YES	4	2	2	YES	AC(DC)	Optional
LX5S-3624MT-A(D/AN/DN)	36/24	Transistor	220×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-3624MR-A(D/AN/DN)	36/24	Relay	220×107×87	6	N/A	0	2	2	YES	AC(DC)	Optional
LX5S-3624MR2H-A(D/AN/DN)	36/24	Mix	220×107×87	6	YES	2	2	2	YES	AC(DC)	Optional
LX5S-3624MT4H-A(D/AN/DN)	36/24	Transistor	220×107×87	6	YES	4	2	2	YES	AC(DC)	Optional

LX3V Series PLC Models

LX3V Model	I/O	Output Type	Dimension (mm)	Pulse Counter	Pulse Output	RS485	BD Board	Module	Power Supply
LX3V-0806MR-A1 (D1)	08/06	Relay	75x107x87	2	0	1	1	N/A	AC (DC)
LX3V-0806MT-A1 (D1)	08/06	Transistor	75x107x87	2	2	1	1	N/A	AC (DC)
LX3V-0806MR-A2 (D2)	08/06	Relay	75x107x87	2	0	1	1	N/A	AC (DC)
LX3V-0806MT-A2 (D2)	08/06	Transistor	75x107x87	2	2	1	1	N/A	AC (DC)
LX3V-1208MR-A1 (D1)	12/08	Relay	75x107x87	2	0	1	1	N/A	AC (DC)
LX3V-1208MT-A1 (D1)	12/08	Transistor	75x107x87	2	2	1	1	N/A	AC (DC)
LX3V-1208MR-A2 (D2)	12/08	Relay	75x107x87	2	0	1	1	N/A	AC (DC)
LX3V-1208MT-A2 (D2)	12/08	Transistor	75x107x87	2	2	1	1	N/A	AC (DC)
LX3V-1208MR2H--A2 (D2)	12/08	Mix	75x107x87	2	2	1	1	N/A	AC (DC)
LX3V-1412MR-A (D)	14/12	Relay	137x107x87	2	0	2	1	YES	AC (DC)
LX3V-1412MT-A (D)	14/12	Transistor	137x107x87	2	2	2	1	YES	AC (DC)
LX3V-1412MT4H-A (D)	14/12	Transistor	137x107x87	2	4	2	1	YES	AC (DC)
LX3V-1412MR2H-A (D)	14/12	Mix	137x107x87	2	2	2	1	YES	AC (DC)
LX3V-1616MR-A (D)	16 / 16	Relay	175x107x87	2	0	2	2	YES	AC (DC)
LX3V-1616MT-A (D)	16 / 16	Transistor	175x107x87	2	2	2	2	YES	AC (DC)
LX3V-1616MT4H-A (D)	16 / 16	Transistor	175x107x87	2	4	2	2	YES	AC (DC)
LX3V-1616MR2H-A (D)	16 / 16	Mix	175x107x87	2	2	2	2	YES	AC (DC)
LX3V-2416MR-A (D)	24 / 16	Relay	175x107x87	2	0	2	2	YES	AC (DC)
LX3V-2416MT-A (D)	24 / 16	Transistor	175x107x87	2	2	2	2	YES	AC (DC)
LX3V-2416MT4H-A (D)	24 / 16	Transistor	175x107x87	2	4	2	2	YES	AC (DC)
LX3V-2416MR2H-A (D)	24 / 16	Mix	175x107x87	2	2	2	2	YES	AC (DC)
LX3V-2424MR-A (D)	24/ 24	Relay	220x107x87	2	0	2	2	YES	AC (DC)
LX3V-2424MT-A (D)	24 / 24	Transistor	220x107x87	2	2	2	2	YES	AC (DC)
LX3V-2424MT4H-A (D)	24 / 24	Transistor	220x107x87	2	4	2	2	YES	AC (DC)
LX3V-2424MR2H-A (D)	24 / 24	Mix	220x107x87	2	2	2	2	YES	AC (DC)

LX3V-3624MR-A (D)	36 / 24	Relay	220x107x87	2	0	2	2	YES	AC (DC)
LX3V-3624MT-A (D)	36 / 24	Transistor	220x107x87	2	2	2	2	YES	AC (DC)
LX3V-3624MT4H-A (D)	36 / 24	Transistor	220x107x87	2	4	2	2	YES	AC (DC)
LX3V-3624MR2H-A (D)	36 / 24	Mix	220x107x87	2	2	2	2	YES	AC (DC)

WECON Servo Drives



Servo Applications

Infrared Stone Cutting Machine



Smart Control

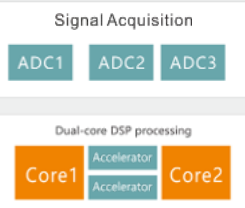
Real-time speed adjustment during cutting

Multiple Functions

Various functions such as board cutting, multi-face chamfer, special shape, profiling, etc.

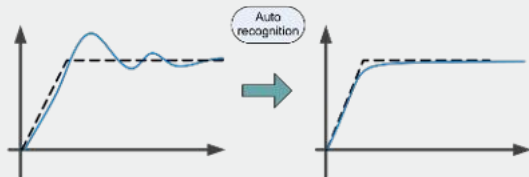
High Response

High performance CPU
Faster data reading
Faster calculation and sampling speed



Easy to Debug

Automatic load parameter tuning function



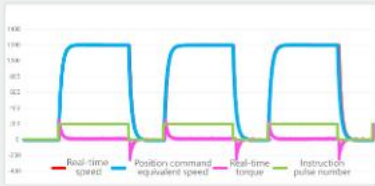
Strong Protection

Coating protection, anti-corrosion.
Rich protection functions, more stable.

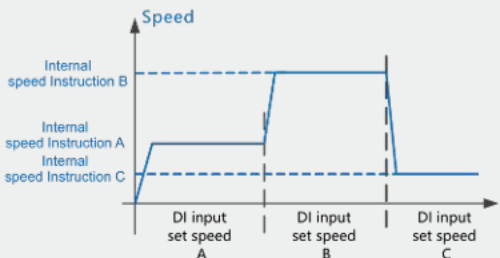


Personalise

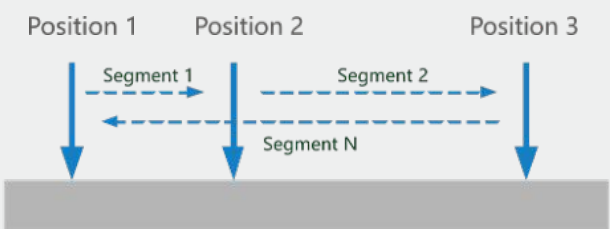
Virtual DI/DO function, four-channel real-time oscilloscope.



Support internal multi-speed instruction



Support internal multi-segment position instruction



Application

Automatic Plug Wiring Machine, Packaging Machinery, Cutting Machinery, Winding Machinery, Face Mask Machinery, Rubber Machinery, Automated Production Lines, Industrial Robots

Automatic Plug Wiring Machine



Automated Production Lines



Industrial Robots



Textile Machinery



WECON P20

Dual-axis AC Servo Drive

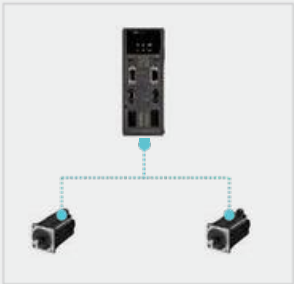
- Dual-Axis Integration
- Efficient Synergy
- Flexible Adaptation



Innovative Structure – Lower Cost, Higher Efficiency

Dual-axis shared power supply design,
independent axis operation with reduced space and cost.

Single-axis / dual-axis models available,
current range 3A to 16A, suitable for 0.6 kW to 1.5 kW motors.



Multi-Mode Adaptability

Supports position / speed / torque modes,
built-in multi-segment motion function, fast DI terminal configuration.

Independent display unit + 4-status LED indication +
heatsink temperature measurement – intuitive and efficient operation & maintenance.



Rich Interface for Diverse Applications

RS485 + USB dual interfaces, compatible with MODBUS protocol.
4DI + 4DO terminals, 500 kHz high-frequency pulse input.



P20 Servo Drive Specifications

Pulse Type



Model			P20 Single axis	P20 Double axis
Item			Specification	
Input/ Output Signal	DI Function		Servo enable (SON), fault and warning clear (A-CLR), forward drive prohibition (POT), reverse drive prohibition (NOT), command reverse (C-SIGN), emergency stop (E-STOP), Gain switching (GAIN-SEL), Multi-speed command selection(INSPD1、INSPD2、INSPD3); Internal multi-position command selection and enable(INPOS1,INPOS2,INPOS3,INPOS4,ENINPOS) Servo ready (RDY), fault signal (ALM), warning signal (WARN), rotation detection (TGON), zero speed signal (ZSP), torque limit (T-LIMIT), speed limit (V-LIMIT),servo on state output (SRV-ST), servo brake output (BRK-OFF), ABZpulse feedback output	
	DO Function			
Communication / Debug			Modbus RS485 and type-C(SCTool)	
Position Mode	Input Signal	Pulse Type	Pulse+direction,or thogonal coding	
		Pulse Signal Input	Open collector or differential input	
		Pulse Frequency	Differential input up to 500KHz, Open collector up to 200KHz	
	Pulse Feedback Output		A,B,Z differential output	
Speed Mode	Internal Command	Internal Multiple Speed	Configure 3 DI terminal as INSPD1, INSPD2, and INSPD3 to enable speed selection for segments 1 to 8.	
Torque Mode	Internal Command		Support torque command - 300% to 300%	
Environment Condition	Operating	Temperature	0℃ to 40℃	
		Relative Humidity	20% to 90%, non-condensing	
		Shock	3M4, 3 mm [2–9 Hz], Category 1	
		Vibration	3M4, 1G [2–9 Hz], Category 1	
	Storage/ Transport	Temperature	–20℃ to 65℃	
		Relative Humidity	20% to 90%, non-condensing	
		Vibration	2M2, 3.5 mm [2–9 Hz]	
	Protection Rating		IP20	
	Pollution Degree		II	
	Over Voltage Category		III	

VD2F/VD2L Servo Drive Specifications



Model	VD2F	VD2L
-------	------	------

Item			VD2F	VD2L
Specifications	Power Supply		220V	
	Control Method		IGBT PWM controlled sine wave current drive	
	Encoder		17 bit, 23 bit absolute encoder	
	Input Signal		4*DI	
	Output Signal		4*DO	
	Pulse Frequency Division Output		—	Support
	Analog Signal Input		—	
	Pulse Signal Input		Open collector or differential input	
	Pulse Feedback Output		Z signal open collector output	ABZ phase pulse output or pulse+direction
	Internal Command		Support 8 segment internal speed command, 16 segment internal position command	
	Communication / Debug		Modbus RS485 and Modbus RS422 (SCTool)	Modbus RS485 and type-C (SCTool)
	Braking Resistor		750W built-in baking resistor; 400W without built-in baking resistor Both support external braking resistor	
Function Setting	General Function	Self-tuning	Automatic load inertia identification, automatic rigidity self-tuning	Automatic load inertia identification
		Mix Control	Support	—
		Advanced Control	Support	—
		Waveform	4 channels waveform monitoring, 10s waveform data recording	
		Parameter Management	Support batch parameter import and export	
		Vibration	Suppress mechanical vibration suppression	
		Protection	Overvoltage, undervoltage, overcurrent, overspeed, overload, overheating, encoder failure, excessive position deviation, torque limit, speed limit, etc	
		Dynamic braking	—	Optional
		Brake Device	Support brake signal output	
		DI Function	Servo enable(S-ON), Error/alarm clear(A-CLR), Forward rotation prohibited(POT) Backward rotation prohibited(NOT), Command direction(C-SIGN), Emergency stop(E-STOP) Gain switch(GAIN-SEL), Internal speed selection(INS PD1, INSPD2, INSPD3) Internal position selection and enable(INPOS1,INPOS2,INPOS3,INPOS4,ENINPOS)	
		DO Function	Servo ready(RDY), Error signal(ALM), Alarm signal(WARN), Rotation detection(TGON), Zero speed signal(ZSP), Torque limited(T-LIMIT), Velocity limited(V-LIMIT), Servo start(SRV-ST), Servo brake output(BRK-OFF), Z pulse feedback output	Servo ready(RDY), Error signal(ALM), Alarm signal(WARN), Rotation detection(TGON), Zero speed signal(ZSP), Torque limited(T-LIMIT), Velocity limited(V-LIMIT) Servo start(SRV-ST), Servo brake output(BRK-OFF), ABZ pulse feedback output
		Pulse Input	Pulse Frequency	Maximum 500khz
	Pulse Type		Pulse + direction, orthogonal coding,	Pulse + direction, orthogonal coding
	Pulse Filtering		First-order low-pass filter or smooth filter	
	Pulse Output		—	A, B, Z differential output
	Speed Mode	Command Input	Internal command (Maximum 8)	
		Zero Clamp	Support	
		Torque Limit	Support torque limit under speed mode	
	Torque Mode	Command Input	Internal command	
		Torque Reaching	Torque reach signal output	
		Speed Limit	Velocity limit under speed mode	

VD2 Servo Drive Specifications



Model	VD2(Type A)	VD2(Type B)	VD2 (Type C)
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Item			VD2 (Type A)	VD2 (Type B)	VD2 (Type C)
Basic Specifications	Power Supply		220V	220V/380V	380V
	Control Method		IGBT PWM controlled sine wave current drive		
	Encoder		2500ppr incremental encoder; 17 bit, 23 bit absolute encoder		
	Input Signal		8*DI		
	Output Signal		4*DO		
	Analog Signal Input		2*AI input(-10v~10v)		
	Pulse Signal Input		Open collector or differential input		
	Pulse Feedback Output		A,B,Z differential output		
	Internal Instructions		Support 8 internal speed commands and internal multi-segment position commands		
	Communication/Debug		Support to communicate with modbus device and debug with SCTools at the same time. (SCTools can set&monitor servo parameters,monitor waveform,self-tuning parameter,etc.)		
	Braking Resistor		400W without built-in baking resistor; both support external braking resistor		
Function Setting	General Function	Self-tuning	SCTool supports self-turning function,and identifies load inertia identification and rigidity level, and other parameters.		
		Waveform Monitoring	View position, speed, torque and other curves on PC in real time		
		Waveform Storage	The original waveform data could be stored for up to 10s		
		Parameter Import / Export	Support batch parameter import and export; support PLC configurate servo parameters automatically (supported by some models)		
		Vibration Suppression	Suppress mechanical vibration by setting vibration suppression parameters		
		Protective Function	Overvoltage, undervoltage, overcurrent, overspeed, overload, overheating, encoder failure, excessive position deviation, torque limit, speed limit, etc		
		Brake	Support		
		Universal Control DI	Servo enable (SON), fault and warning clear (A-CLR), forward drive prohibition (POT), reverse drive prohibition (NOT), command reverse (C-SIGN), emergency stop (E-STOP), Gain switching (GAIN-SEL), Multi-speed command selection(INS PD1、 INSPD2、 INSPD3); Internal multi-position command selection and enable (INPOS1,INPOS2,INPOS3,INPOS4,ENINPOS)		
		Universal Control DO	Servo ready (RDY), fault signal (ALM), warning signal (WARN), rotation detection (TGON), zero speed signal (ZSP), torque limit (T-LIMIT), speed limit (V-LIMIT),servo on state output (SRV-ST), servo brake output (BRK-OFF)		
	Pulse Input	Pulse Frequency	Maximum 500khz		
		Pulse Type	Pulse + Direction, CCW/CW pulse, Quadraturel encoding		
		Pulse Filtering	First-order low-pass filter or smooth filter		
		Pulse Output	Differential Quadraturel encoding A, B, Z output; PPR is settable by p0-16 or P0-17~P0-20.		
	Speed Mode	Command Input	-10V~+10V analog input internal speed command (Maximum 8)		
		Zero Clamp	Motor speed could be clamped to zero via the setting of zero clamp function		
		Torque Limit	Support to set the torque limit		
	Torque Mode	Command Input	-10V~+10V analog input and Internal torque command		
		Torque Reaching	Torque reaching threshold and DO can be set flexibly		
		Speed Limit	The speed limit can be set flexibly		

VD5L/VD3E

EtherCAT Servo

Design for High Load Environment

- 125μs sync period
- <1μs sync jitter

VD5L Servo Drive Specifications

EtherCAT Type



Model

VD5L

Item		VD5L
Basic Specifications	Power Supply	AC 220V
	Control Method	IGBT PWM control sine wave current drive
	Encoder Feedback	17bit/23bit absolute encoder
	Control Signal Input	4 DI, select the input function according to the function code configuration
	Control Signal Output	3 DO, select the output function according to the function code configuration
	Communication	The Type-C interface can be used to set function code parameters, monitor status, and view waveform through SCTool. Parameter self-tuning, etc.
	Braking Resistor	Built-in braking resistor, supports external braking resistor
General Function	Automatic Parameter Tuning	Automatic load inertia identification, automatic rigidity self-tuning
	Waveform View	4 channels waveform monitoring
	Waveform Storage	The waveform acquisition frequency is 1KHz, and the original waveform data can be saved up to 10s
	Parameter Management	Support batch parameter import and export; Support SDO download
	Vibration Suppression	By setting the notch filter parameters
	Protection	Overvoltage, undervoltage, overcurrent, overspeed, overload, overheating, encoder failure, excessive position deviation, torque limit, speed limit, etc.
	Brake Device	Support brake signal output
	DI Function	Error/alarm clear(A-CLR), forward rotation prohibited(POT), backward rotation prohibited(NOT), emergency stop(E-STOP), touch probe
EtherCAT	DO Function	Servo ready(RDY), error signal(ALM), alarm signal(WARN), rotation detection(TGON), zero speed signal(ZSP), torque limit(T-LIMIT), speed limit(V- LIMIT), servo start(SRV-ST), servo brake output(BRK-OFF), communication VDO
	Communication Protocol	EtherCAT protocol
	Support Service	CoE(PDO, SDO)
	Synchronously	DC-distributed clock
	physical Layer	100BASE-TX
	Baud Rate	100 Mbit/s(100BASE-TX)
	Duplex Mode	Full duplex
	Topology	Circular, linear
	Transmission Medium	Shielded Cat 5e or better network cable.
	Transmission Distance	Less than 100M between two nodes(good environment, good cables)
	Frame Length	44 bytes~1498 bytes
	Process Data	Maximum size of a single Ethernet frame is 1486 bytes
	Sync Jitter	<1us
	Distributed Clock	64 bit
	EEPROM Capacity	8kbit initialization data is written by the EtherCAT master station
	Control Mode	CSP, CSV, CST, PT, HM
	Sync Cycle	125μs



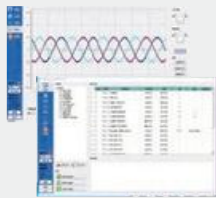
High Performance CPU

Multi-core Architecture
Communication & Control Parallel Processing
Higher Response
Stronger Performance

EtherCAT

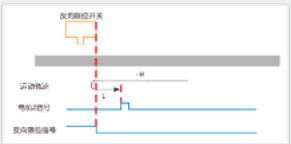
EtherCAT High-speed Bus Control

High Synchronization
Flexible Communication Connection
Flexible Networking



Rich Features

Parameter Self-tuning
Parameter Import and Export
Waveform Viewing and Storage
Vibration Suppression
Support Brake



Multi-mode Control

Homing Mode(HM)
Cyclic Synchronous Position Mode (CSP)
Cyclic Synchronous Position Model (CST)
Cyclic Synchronous Velocity (CSV)
Profile Torque Mode (PT)

VD3E Servo Drive Specifications

EtherCAT Type



Model	VD3E(Type A)	VD3E(Type B)	VD3E(Type C)
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Item		VD3E (Type A)	VD3E (Type B)	VD3E (Type C)
Basic Specifications	Power Supply	220V	220V/380V	380V
	Control Method	IGBT PWM control sine wave current drive		
	Encoder	17bit, 23bit absolute encoder		
	Input Signal	6 DI inputs,select the input function according to the function code configuration		
	Output Signal	3 DO outputs,select the output function according to the function code configuration		
	HostCommunication	USB interface.Function code parameter setting,status monitoring,waveform viewing, parameter self-tuning,etc.can be performed through upper computer		
	Braking Resistor	Built-in braking resistor,support external braking resistor		
General Function	Automatic Parameter Tuning	Automatic load inertiaidentification,automatic rigidity level and parameter self-tuning can be carried out through the cooperation of the upper computer		
	Waveform Monitoring	The waveform of data such as real-time speed/torque/position deviation can be observed through the host		
	Waveform Storage	computer The waveform acquisition frequency is 1KHz,and the original waveform data can be saved up to 10s		
	Parameter import and Export	Support batch parameter import and export;support SDO download		
	Vibration Suppression	Mechanical vibration can be suppressed by setting vibration suppression parameters		
	Protective Function	Overvoltage,undervoltage,overcurrent,overspeed,overload,overheating,encoder failure,excessive position deviation,torque limit,speed limit,etc.		
	Brake	Support output control		
	Universal Control DI	fault and warning clear (A-CLR), forward drive prohibition(POT), reverse drive prohibition (NOT), emergency stop(E-STOP)		
EtherCAT	Universal Control DO	servo ready(RDY), fault signal(ALM), warning signal(WARN), rotation detection(TGON), zero speed signal(ZSP), torque limit(T-LIMIT), speed limit(V- LIMIT), servo open state output(SRV-ST), servo brake output(BRK-OFF), communication VDO		
	Communication Protocol	EtherCAT protocol		
	Support Service	CoE (PDO, SDO)		
	Synchronously	DC-distributed clock		
	physical Layer	100BASE-TX		
	Baud Rate	100 Mbit/s (100Base-TX)		
	Duplex Mode	Full Duplex		
	Topology	Circular, Linear		
	Transmission Medium	Shielded Cat 5e or better network cable.		
	Transmission Distance	The distance between two nodes is less than 100M (the environment is good and the cable is good).		
	Frame Length	44 bytes~1498 bytes		
	Process Data	A single Ethernet frame is up to 1486 bytes.		
	Sync Jitter	< 1us		
	Distributed Clock	64 bit		
	EEPROM Capacity	8kbit initialization data is written by the EtherCAT master station		
	Control Mode	CSP, HM, CSV, CST, PT		
	Sync Cycle	125μs		

SERVO Naming Rules

Drive Naming Rules

VD2021S A1G

Series

Maximum Current

Voltage

Encoder type

Function

VD2

003: 3A

S: 220V

E1: Incremental Encoder

P: Basic control

VD2F

010: 10A

T: 380V

A1: Absolute Encoder

G: Universal (Pos,Torque, Speed)

VD2L

014: 14A

H: High-speed DO

VD3E

016: 16A

R: Support External PID function

VD5L

019: 19A

D: Dynamic braking

021: 21A

025: 25A

030: 30A

050: 50A

P20-014014

Series

Double Axis Maximum Current

P20:Multi-axis Pulse Type Servo

003:3A

E20:Multi-axis Bus Type Servo

010:10A

014:14A

Single Axis Maximum Current

003:3A

010:10A

014:14A

016:16A

Servo model

Rated input

Rated output

Manufacture number

WECON Technology Co.,Ltd.

Model:VD2-014SA1G

Input:1PH/3PH AC 200~240V 50/60Hz

Output:3PH AC 0~240V 0~400Hz 14A

V1.0.0

D141312009201XXXXXX

MADE IN CHINA

WARNING

Danger

Please operate according to the manual and connect PE well in case of accident.

Caution

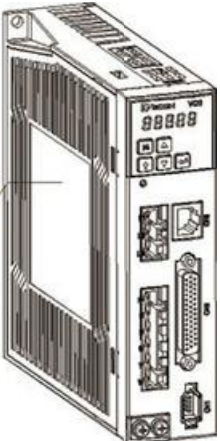
Incorrect wiring may cause servo overspeed and injury to the servo.

Electric

Don't touch the terminals during operation or power failure within 15min to avoid electric shock.

Hot

Do not touch the radiator to avoid burns.

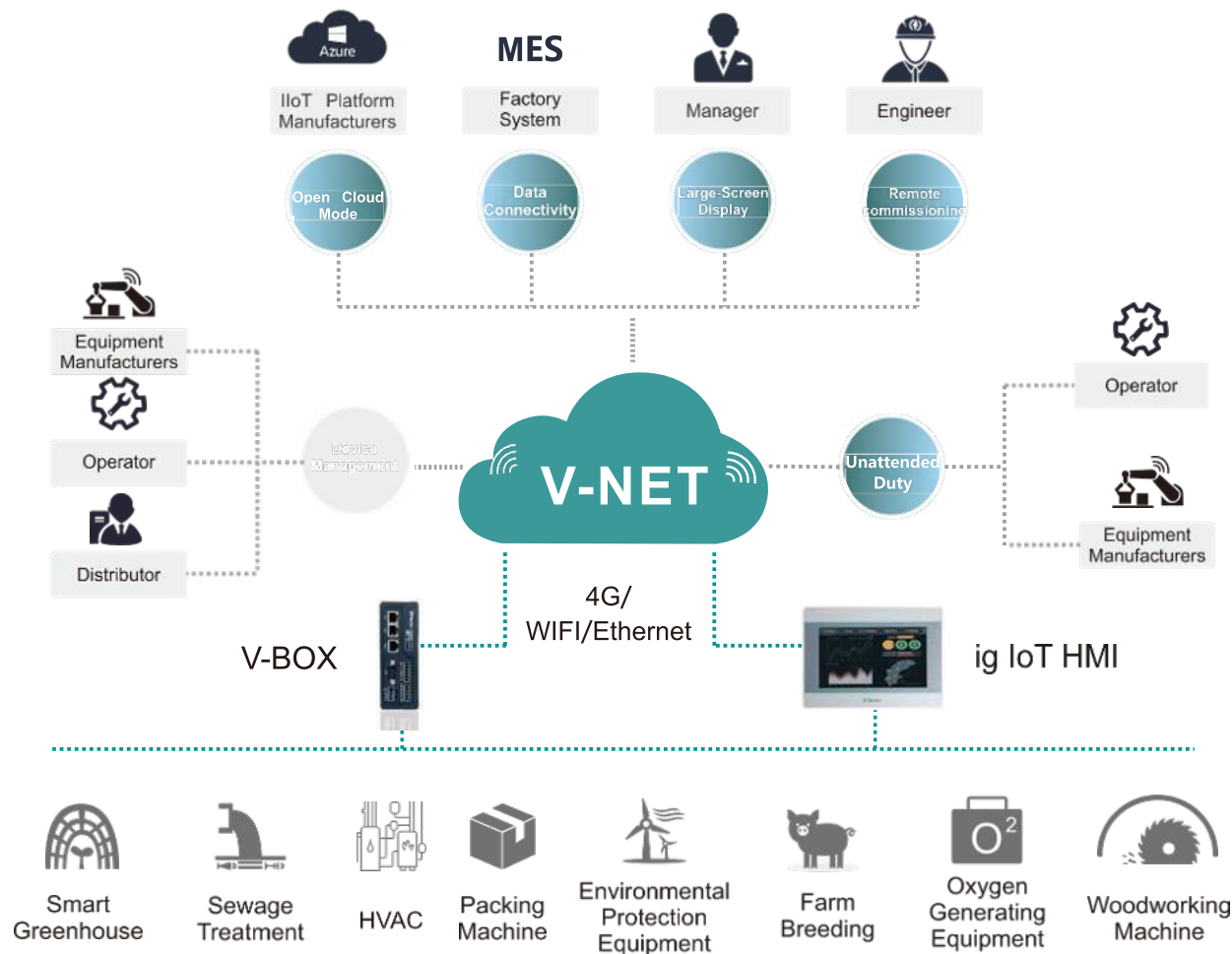


WECON IIoT

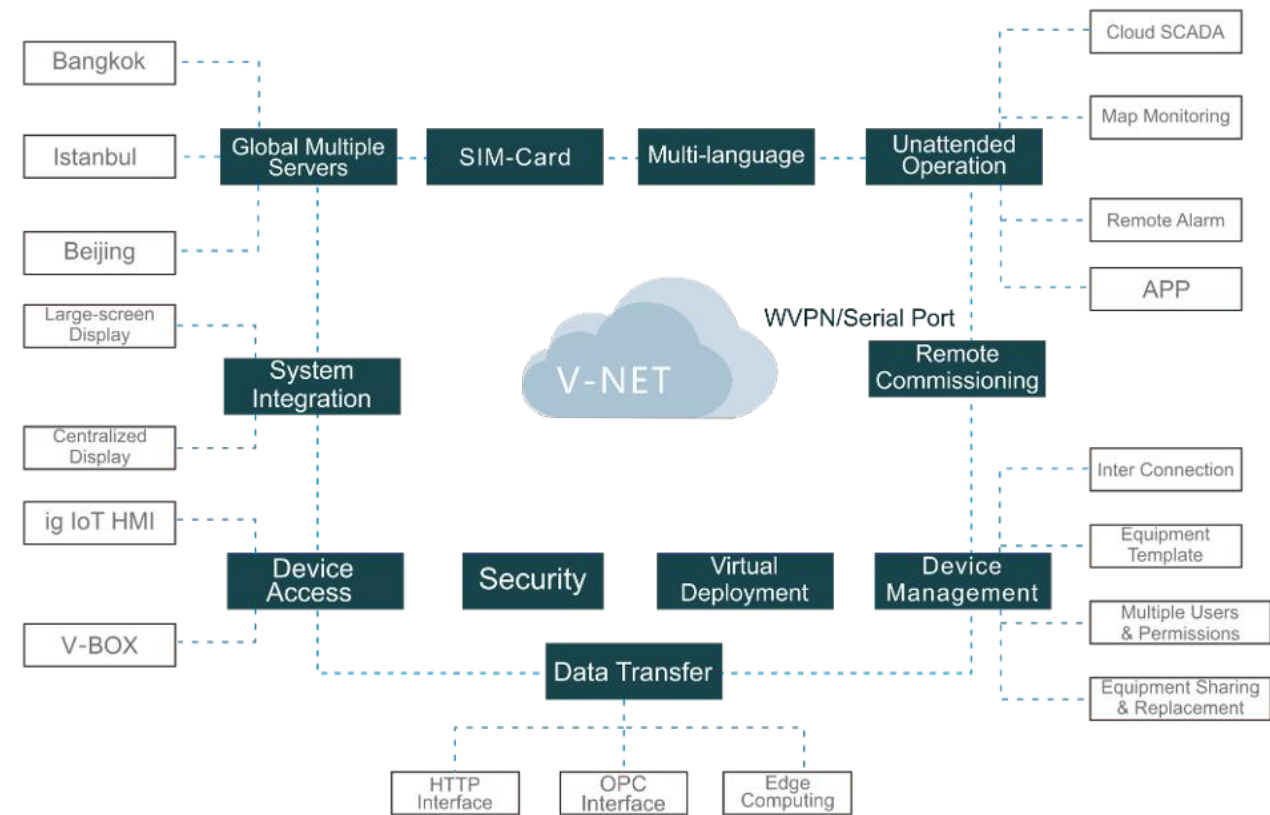
Products and Solutions



WECON V-NET&Gateway Architecture



WECON V-NET&Gateway Functions



Device Management

All in One

To locate the devices accurately through map index, category search, fuzzy search, etc.

One-key Configuration

To download and modify the configuration of the V-BOX of the same model by using the template function.

Role Management

Managers can assign V-NET permissions to users at the corresponding levels by establishing users at various levels (4 levels in total), no matter how many devices there are, they could be managed by one person.

Global Servers

Server Location	Country or Region
Beijing	China
Bangkok	Asia and Oceania
Istanbul	Europe, America, Middle East and Africa

Multilingual

- Chinese & English for main interface;
- User-defined three kinds of languages supported in project of Cloud SCADA;
- Languages switchable.

WECON V-BOX



Support RS485/RS422,Optional for WiFi, 4G, GPS

V-BOX E Series Specifications

General			
Model		E-00	E-4G/E-4G-L
Item		Specifications	
Storage	CPU	ARM9	
	Flash	128MB	
	RAM	DDRII 64MB	
	SD Card	N/A	
I/O Ports	USB	OTG : USB HOST/USB DEVICE	
	Serial Ports	COM1: RS232, RS422/RS485(2 in 1)	
	Ethernet	1 Ethernet Port	
	WIFI Module	N/A	
Power	4G Module	N/A	4G
	Power Supply	24V DC (12~28V DC)	
	Power Consumption	< 10W	
Dimension	Enclosure	Cold-rolled steel sheets	
	Dimension (W*H*D)	101.0mm*73.2mm*26.8mm	
	Wall Hanging Dimension	110.0mm*15.6mm	
	Weight (KG)	0.26	
Environment	Vibration Resistance	IEC61131-2 Standard	
	Storage Temperature	-20°C~70°C	
	Working Temperature	-10°C~60°C	
	Relative Humidity	10~85%RH (Non-condensing)	
CE Certification		CE Marked	
FCC Certification		FCC Class A Marked	
Real-time Monitoring Points		200	250
Alarm Monitoring Points		50	100
History Monitoring Points		20	50
History Storage/Storage capacity		60 Days/1 Million	90 Days/1 Million
Normal Pass-through		YES	
WVPN Pass-through		N/A	
Edge Computing		N/A	YES
API Interface		YES	
Remote Update		YES	
Configuration Download/Upload		YES	
Off-line Transmission		YES	
GPS		N/A	LBS
E-4G model frequency code			
LTE FDD	LTE TDD	WCDMA	GSM
B1/B3/B5/B8	B34/B38/B39/B40/B41	B1/B5/B8	900/1800MHz

Remark: Please contact us for confirmation about 4G Compatibility before purchase.

Built-in IOs



Built-in
2*DI & 2*DO relay
(H Series only)

Pass-through Function



Support WVPN Pass-through,
Serial Port Pass-through
to realize PLC remote debugging or download

Edge Computing



Simple logic control could
be realized
by built-in Lua Script.

OpenCloud Mode



V-BOX can be connected
to third-party platforms
through OpenCloud Mode.

Protocols



300+ protocols
of main brands PLC
with ethernet and serial ports

Installations



DIN rail & mounting
Hole installation

Quick Access



Connect to V-NET easily by plugging
in network cables or IoT SIM card
(China cloud only)

Indicators



V-NET Connection indicator
4G Signal Intensity indicator
PLC Communication Status indicator

V-BOX H Series Specifications

General					
Model		H-00	H-WF	H-4G/H-SG	H-AG
Item		Specifications			
CPU		Cortex A7			
Storage	Flash	128MB			
	RAM	DDRIII 128MB			
I/O Ports	USB	HOST/DEVICE: USB OTG Switch			
	Serial Ports	COM1:RS232, RS422/RS485 (2 in 1)			
		RS485(2 in 1) 【COM2: RS485, COM3: RS485】			
	Ethernet	3 Ethernet Ports			
	WIFI Module	N/A	YES	N/A	N/A
	4G Module	N/A	N/A	4G	4G (Global)
	I/O	2 inputs with optocoupler isolation;2 relay outputs			
Power	Power Supply	24V DC (12~28V DC)			
	Power Consumption	<10W			
Dimension	Enclosure	PC+ABS			
	Dimension (W*H*D)	131.0mm*100.5mm*46.0mm			
	Weight (KG)	0.3			
Environment	Vibration Resistance	IEC61131-2 Standard			
	Storage Temperature	-20℃~70℃			
	Working Temperature	-10℃~60℃			
	Relative Humidity	10~85%RH (Non-condensing)			
CE Certification		CE Marked			
FCC Certification		FCC Class A Marked			
Real-time Monitoring Points		300	300	500	600
Alarm Monitoring Points		200	200	300	300
History Monitoring Points		50	50	100	100
History Storage/Storage capacity		90 Days/1 Million		180 Days/1 Million	
Normal Pass-through		YES			
WVPN Pass-through		N/A	YES	YES	YES
Edge Computing		YES			
API Interface		YES			
Remote Update		YES			
Configuration Download/Upload		YES			
Off-line Transmission		YES			
GPS		N/A		LBS/GPS	LBS
H-4G model frequency code					
LTE FDD	LTE TDD	TD-SCDMA	WCDMA	CDMA	GSM
B1/B3/B5/B8	B34/B38/B39/B40/B41	B34/B39	B1/B8	BC0	900/1800MHz
H-AG model frequency code					
LTE FDD		LTE TDD		UMTS	GSM
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28		B38/B39/B40/B41		B1/B2/B4/B5/B6/B8/B19	B2/B3/B5/B8

Remark: Please contact us for confirmation about 4G Compatibility before purchase.

V-BOX RE Series Specifications

General			
Model		RE-00	RE-4G
Item		Specifications	
CPU		High Performance CPU	
Storage	Flash	128MB	
	RAM	64MB	
	SD Card	N/A	
I/O Ports	USB	OTG: USB HOST / USB DEVICE	
	Serial Ports	COM1: RS232, RS422/RS485 (2 in 1)	
	Ethernet	1* Ethernet Port	
	WIFI Module	N/A	
	4G Module	N/A	4G
Power	Power Supply	24V DC (12~28V DC)	
	Power Consumption	< 10W	
Dimension	Enclosure	Cold-rolled steel sheets	
	Dimension (W*H*D)	101.0mm*73.2mm*26.8mm	
	Weight (KG)	0.26	
Environment	Vibration Resistance	IEC61131-2 Standard	
	Storage Temperature	-20℃~70℃	
	Working Temperature	-10℃~60℃	
	Relative Humidity	10~90%RH (Non-condensing)	
CE Certification		CE Marked	
FCC Certification		FCC Class A Marked	
Real-time Monitoring Points		100	
Alarm Monitoring Points		20	
History Monitoring Points		50	
History Storage/Storage capacity		60 Days/1 Million	
Normal Pass-through		YES	
WVPN Pass-through		YES	
Edge Computing		YES	
API Interface		YES	
Off-line Transmission		YES	
GPS		N/A	LBS
Big Screen Monitoring		YES	

E-4G model frequency code			
LTE FDD	LTE TDD	WCDMA	GSM
B1/B3/B5/B8	B34/B38/B39/B40/B41	B1/B5/B8	900/1800MHz

Remark: Please contact us for confirmation about 4G Compatibility before purchase.

V-BOX RH Series Specifications

General					
Model		RH-00	RH-W	RH-G	RH-AG
Item		Specifications			
CPU		High Performance CPU			
Storage	Flash	4GB			
	RAM	1GB			
	TF Card	YES			
I/O Ports	USB HOST	USB 2.0x2 (Non-isolated)			
	USB DEVICE	Type-C x 1 (Only supports downloading projects)			
	Serial Ports	COM1: RS232, RS422/RS485			
		COM2: RS485			
	Ethernet	2 * Ethernet ports			
	WIFI Module	N/A	YES	N/A	N/A
	4G Module	N/A	N/A	YES	YES(Global)
Power	Power Supply	24V DC (12~28V DC)			
	Power Consumption	< 10W			
Dimension	Enclosure	Plastic+ABS (Polycarbonate)			
	Dimension (W*H*D)	125.0mm*93.7mm*51.0mm			
	Weight (KG)	0.30			
Environment	Vibration Resistance	IEC61131-2 Standard			
	Storage Temperature	-20℃~70℃			
	Working Temperature	-10℃~60℃			
	Relative Humidity	10~90%RH (Non-condensing)			
CE Certification		CE Marked			
FCC Certification		FCC Class A Marked			
Real-time Monitoring Points		300	500	500	1000
Alarm Monitoring Points		200	400	400	800
History Monitoring Points		100	200	200	400
History Storage/Storage capacity		180 Days/1 Million			
Pass-through		YES(Normal / WVPN)			
Edge Computing		YES			
API Interface		YES			
Off-line Transmission		YES			
GPS		N/A			YES
Programming		PIStudio			
Free-tag Protocol		Wecon LX6V / LX6C	Wecon LX6V / LX6C	Wecon LX6V / LX6C	Major PLC brands, FANUC CNC
Big Screen Monitoring		YES			
Max. HDMI Output Resolution		1920*1080	2560*1440	2560*1440	3840*2160
Touchscreen Function		Only Support Wecon WS21 Screen			
RH-G model frequency code					
LTE FDD			LTE TDD		
B1/B3/B5/B8			B34/B38/B39/B40/B41		
RH-AG model frequency code					
LTE FDD		LTE TDD		WCDMA	GSM(MHz)
B1/B2/B3/B4/B5/B7/B8/B12/B13/B18/ B19/B20/B25/B26/B28/B66		B34/B38/B39/B40/B41		B1/B2/B4/B5/B6/B8/B19	850/900/1800/1900

Remark: Please contact us for confirmation about 4G Compatibility before purchase.

V-BOX RH Series Specifications

General				
Model		RH-WG	RH-WG-LA	RH-WG-CNC
Item		Specifications		
CPU		High Performance CPU		
Storage	Flash	4GB		
	RAM	1GB		
	TF Card	YES		
I/O Ports	USB HOST	USB 2.0x2 (Non-isolated)		
	USB DEVICE	Type-C x 1 (Only supports downloading projects)		
	Serial Ports	COM1: RS232, RS422/RS485		
		COM2: RS485		
	Ethernet	2 * Ethernet ports		
	WIFI Module	YES		
	4G Module	YES		
Power	Power Supply	24V DC (12~28V DC)		
	Power Consumption	< 10W		
Dimension	Enclosure	Plastic+ABS (Polycarbonate)		
	Dimension (W*H*D)	125.0mm*93.7mm*51.0mm		
	Weight (KG)	0.30		
Environment	Vibration Resistance	IEC61131-2 Standard		
	Storage Temperature	-20℃~70℃		
	Working Temperature	-10℃~60℃		
	Relative Humidity	10~90%RH (Non-condensing)		
CE Certification		CE Marked		
FCC Certification		FCC Class A Marked		
Real-time Monitoring Points		300	300	300
Alarm Monitoring Points		200	200	200
History Monitoring Points		100	100	100
History Storage/Storage capacity		180 Days/1 Million		
Pass-through		YES(Normal / WVPN)		
Edge Computing		YES		
API Interface		YES		
Off-line Transmission		YES		
GPS		N/A	YES	N/A
Programming		PIStudio		
Free-tag Protocol		Wecon LX6V / LX6C	Major PLC brands	Wecon LX6V / LX6C, FANUC CNC
Big Screen Monitoring		YES		
Max. HDMI Output Resolution		3840*2160	3840*2160	3840*2160
Touchscreen Function		Only Support Wecon WS21 Screen		
WG / WG-L model frequency code				
LTE FDD		LTE TDD		
B1/B3/B5/B8		B34/B38/B39/B40/B41		

Remark: Please contact us for confirmation about 4G Compatibility before purchase.

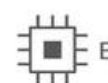
VC

Multifunctional Vector VFD



Single-phase 220V: 0.75-2.2kW

Three-phase 380V: 0.75-37kW



Excellent control algorithm



Support flexible expansion



Wide voltage input



Compatible with synchronous / asynchronous motor



Compact structure design



Rich application macro parameters

SPECIFICATION

Item		Pecification	
Controlled Characteristic	Control Mode	V/F	SVC
	Starting Torque	1Hz/100% Rated torque	0.5Hz/150% Rated torque
	Range of Speed Regulation	1:50	1:100
	Rotating Speed	≤1% Rated synchronous speed	≤0.5% Rated synchronous speed
	Carrier Frequency	0.6kHz~16kHz	
	Overload Capacity	150% Rated current 60s; 180% Rated current 2s	
	Torque Boost	Automatic torque increase; Manual torque increase 0.1~30.0%	
I/O	The Range of Input Voltage	Single-phase 200V-240V; Three-phase 380V-480V Allowable fluctuation range: -15%~10%	
	The Range of Input Frequency	50/60Hz Allowable fluctuation range: ±5%	
	The Range of Output Voltage	0~Input, Fluctuation range: <5%	
	The Range of Output Frequency	SVC: 0-500Hz V/F: 0-1000Hz Fluctuation range: ±5% of Maximum frequency	
Run Control	Run command channel	3 kinds of channels: Operation panel setting, Control terminal setting, Serial communication port given; Can change by different ways	
	frequency source	Digital setting, panel pulse potentiometer setting, linear voltage setting, curve voltage setting, analog current setting, serial communication setting, etc. Can be switched in a variety of ways	
	Auxiliary frequency source	Multiple auxiliary frequency sources. Frequency synthesis and frequency fine-tuning can be performed	
	Input terminal	4 digital input terminals (DI1-D14). DI4 supports high-speed pulse input. 0 to 20kHz 2 analog input terminals (AI1-AI2). Support AI change to DI by setting parameters	
	Output terminal	1 open-collector output terminal; 2 relay output terminal 1 analog output terminal	
Basic Function	DC braking function	DC braking frequency: 0.00 Hz ~ 60.00 Hz; Braking time: 0.0 s ~ 60.0 s Braking action current value: 0.0% ~ 150.0%	
	V/F curve	Linear, multi-point type, square type, 1.1-1.9 power curve, V/F completely separated type	
	Acceleration and deceleration curves	Linear or S-curve acceleration and deceleration mode, acceleration and deceleration time range: 0~6500s	
	Multi-speed operation	Up to 16 segment speeds are achieved through the control terminal	
	External keyboard	Standard, can upload and downtransfer inverter function code information, to achieve fast parameter replication	
	Built-in PID	It is convenient to realize the closed-loop control system of process control	
	Automatic voltage adjustment AVR	Standard, automatic current and voltage limit during operation to prevent frequent overvoltage trip	
	Over voltage over loss rate control	Automatic current and voltage limit during operation to prevent frequent overvoltage trip	
	Fast current limiting function	The standard configuration minimizes overcurrent faults and protects the normal operation of the equipment	
	Torque qualification and control	Automatic torque limit during operation to prevent frequent overcurrent tripping	
	Power on the safety self-test of peripheral devices	It can realize the safety detection of peripheral devices such as grounding and short circuit	
	Timing control function	Timing control function: set time range 0h ~ 65000h	
	Defensive function	Power-on motor short circuit detection, input and output phase loss protection, over current protection, over voltage protection, under voltage protection, overheat protection, overload protection	
Display and Keyboard Operation	LED display	5 digit LED display	
	Parameter locking function	Set parameter read-only control to prevent misoperation	
Service Environment	Place of use	Indoor, free from direct sunlight, no dust, corrosive gas, flammable gas, oil mist, water vapor, dripping or salt	
	Altitude	Less than 1000m; When the sea level is higher than 1000m, the sea level must be reduced by 1% for every 100m rise. The maximum sea level is 2000m	
	Environment temperature	-20°C~45°C, Derating is required when the temperature exceeds 45°C. For every 1°C increase in the ambient temperature, the derating is about 1%. The maximum ambient temperature is 50°C	
	Humidity	≤95%RH, Avoid condensation	
	Vibration	Vibration acceleration less than 0.6g	
	Storage temperature	-25°C~60°C	

The diagram illustrates a transition from a generic category to a specific product. On the left, a box labeled "other brands" is shown with a cable entering from the top and exiting from the bottom. A large, light gray curved arrow points from this box towards the right. On the right, a detailed illustration of a device is shown, featuring a screen displaying "5000", a circular dial on the right side, and several buttons labeled "PG", "ENT", and "max". The device has a cable connected to its bottom.

Size reduction by 174mm

216mm

390mm

30mm

Other brands of the same type of frequency converter

30mm

Other brands of the same type of frequency converter

30mm

Other brands of the same type of frequency converter

30mm

Model	Rated power	Power capacity	Input current	Output current	Adaptive motor	
	kW	kVA	A	A	kW	HP
Input: Single-phase 200~240V & Output Three-phase 0~Input						
VC-2SR75B-E	0.75	1.5	8.2	4.5	0.75	1
VC-2S1R5B-E	1.5	3	14	7	1.5	2
VC-2S2R2B-E	2.2	4	23	9.6	2.2	3
Input: Three-phase 380~480V & Output Three-phase 0~Input						
VC-4TR75B-E	0.75	1.5	3.4	2.5	0.75	1
VC-4T1R5B-E	1.5	3	5	3.8	1.5	2
VC-4T2R2B-E	2.2	4	5.8	5.1	2.2	3
VC-4T004B-E	4	5.9	10.5	9	4	5.5
VC-4T5R5B-E	5.5	8.9	14.6	13	5.5	7.5
VC-4T7R5B-E	7.5	11	20.5	17	7.5	10
VC-4T011B-E	11	17	26	25	11	15
VC-4T015B-E	15	21	35	32	15	20
VC-4T018R5B-E	18.5	24	38.5	37	18.5	25
VC-4T022B-E	22	30	46.5	45	22	30
VC-4T030B-E	30	40	62	60	30	40
VC-4T037B-E	37	57	76	75	37	50

[illegible]

Model	External Dimension				Installation Dimension		Hole Size
	H	W	D	D1	H1	W1	d
VC-4T5R5B-E	250	95	153.6	145	240	80	5
VC-4T7R5B-E							
VC-4T011B-E	334	120	188.6	180	322	100	6
VC-4T015B-E							
VC-4T018R5B-E	388	145	195.1	182.7	374	116	6
VC-4T022B-E							
VC-4T030B-E	450	180	204	195	430	144	7
VC-4T037B-E							

VB

High Performance Vector Frequency Converter



Single-phase 220V : 0.75~2.2kW
Three-phase 220V : 0.75~15kW
Three-phase 380V : 0.75~400kW



Wide power range
Dual voltage optional



Multi-dimensional protection
Safe and reliable



Cabinet installation
Strong heat dissipation capacity



Compatible with synchronous
motor & asynchronous motor



Random carrier function
Quiet and efficient



Multi-type I/O function
Flexible control

Specification Parameter

Item		Description	
Control Characteristics	Control Mode	Sensorless vector control (SVC)	V/F Control
	Starting Torque	0.5Hz/150%	0.5Hz/100%
	Speed Adjustment Range	1: 100	1: 50
	Speed Holding Precision	±0.5%	±1%
	Carrier Frequency	0.5kHz ~ 16kHz; The carrier frequency can be automatically adjusted according to the load characteristics	
	Overload Capacity	G type: 150% rated current for 60s; 180% rated current for 1s P type: 120% rated current for 60s; 150% rated current for 1s	
	Torque Compensation	Automatic: 0.0%; Manual : 0.1%-30.0%	
Operation Control	Input Voltage Range	220V; fluctuation range: 220V(-15%)~220V(+15%);380V/415V/440V; fluctuation range: 380V(-15%)~440V(+10%)	
	Input Frequency Range	50/60Hz; fluctuation range: ±5%	
	Output Voltage Range	0- input voltage, Error limit 5%	
	Output Frequency Range	SVC: 0-320Hz; V/F: 0-1000Hz	
	Command Running Channel	Three kinds of channels: 1. Operation keyboard 2.Control terminal 3.Serial communication port, switchable by many ways	
	Frequency Source	Digital setting, Potentiometer of operation board, Analog Voltage Signal, Analog Current Signal, Communication port settin, switchable by many ways	
	Auxiliary Frequency Source	Multiple auxiliary frequency source, capable of frequency synthesis and frequency trimming	
Basic Functions	Input Terminals	♦ 6 Digital Input Terminals ♦ 2 Analot Input Terminals	
	Output Terminals	♦ 1 Open Collector Output Terminals; ♦ 2 Relay Output Terminals ♦ 2 Analog Output Terminals (Model with a power of less than 7.5kW only have one)	
	DC Braking	Braking time: 0.0s ~ 100.0s, Braking current value: 0.0% ~ 100.0%	
	V/F Curve	Three types: linear, multipoint, square V/F curve	
	Acceleration and Deceleration Curve	Linear mode and S curve acceleration and deceleration mode; 4 groups of acceleration and deceleration time; the range of acceleration and deceleration time0.0~6500.0S	
	Simple PLC, Multi-speed Control	Up to 16 steps speed can be realized by integrated sjmple PLC and control terminals function	
	Integrated PID	Closed-loop control system	
	AVR Function	When grid voltage changes, it keeps output voltage constant automatically	
	Control of Overvoltage, Overcurrent, Speed Stall	The current and voltage are limited automatically during the running process so as to avoid frequent tripping due to overvoltage/overcurrent	
	Rapid Current Limit	Decrease overcurrent at max, protect VFD to operate regularly	
	Torque Limit and Control	Limit the torque automatically and prevent frequent over current trippingduring the running process	
	Power peripheral and Safety Self-checking	To realize self checking of peripheral equipment at power on, such as grounding fault, short circuit fault, etc	
	Timing Control	Timing control range:0h~65535h	
Display and Panel Operation	Protection Functions	Motor short-circuit detection at power-on, input/output phase loss protection, overcurrent protection, overvoltage protection, undervoltage protection, overheat protection and overload protection etc	
	LED Display	5 bits LED Display	
	Parameter Lock	Define whether the parameter is locked in running or stopped state in case of misoperation	
Application Environment	MFK Key	Programmable: Command channel switching / forward rotation and reverse rotation / JOG function selection / menu mode switching	
	Operation Place	Indoor, free from direct sunlight, no dust, no corrosive gas, no combustible gas, no oil smoke, no vapor, no drip or salt.	
	Altitude	Lower than 1000m. Service in derated capacity when above 1000m. Derate 1% capacity every 100m increase in height.	
	Ambient Temperature	-10°C~+40°C.A33Service in derated capacity when temperature higher than 40°C. Derate 1% capacity every 1°C increase in temperature.And the maximum environmental temperature is 50 °C.	
	Humidity	≤ 95%RH, no water condensatainon	
	Vibration	< 5.9m/s² (0.6G)	
	Storage Temperature	-25°C ~ +60°C	

VM

Economical Frequency Converter



Single-phase 220V: 0.75~2.2kW
Three-phase 380V: 0.75~7.5kW



Compact in size



Better protection function



Professional motor drive
Superior performance



Simple installation
Convenient speed regulation



Compatible with synchronous
Motor & asynchronous motor



The product is safer to use

Specification Parameter

Item		Description
Control characteristic	Control mode	V/F control
	Output frequency range	0~1000Hz
	Starting torque	0.5Hz/130%
	Carrier frequency	0.6~15.0kHz
	Overload capacity	150% rated current 60s, 180% rated current 1s
	Torque lift	Automatic torque lift/manual torque lift 0.1 ~ 30.0%
I/O terminals	Analog input	1 way
	Digital input	4 way
	Analog output	1 way
	Relay output	2.2kW (including) models below 1 normal open; For 4kW or more models, 1 channel is normally open and 1 channel is normally closed
	RS485 communication terminal	1 Integrated in the RJ45 cable port
	10V power terminal	1 way
	24V power terminal	1 way
Basic functions	Run command channel	Three channels: set operation panel, control terminal, and RS485 communication control, which can be switched in various ways
	Frequency source	Digital set, panel potentiometer set, analog voltage set, analog current set, RS485 communication set, PID control set, switchable by many ways
	DC braking function	DC braking frequency: 0-50Hz, braking time: 0-60s Braking action current value: 0-150%
	V/F curve	Linear; 1.1-1.9 power; Square type; Customize V/F curves
	Simple PLC, multi-speed control	Up to 15 speed to achieve simple PLC operation
	Integrated PID	It is convenient to realize process control closed-loop control system
	Protection function	Input/output phase loss protection, overcurrent protection, overvoltage protection, undervoltage protection, overheat protection, overload protection, power-on short circuit detection etc
	LED display	5-bit LED display
	Parameter locking function	The parameter read-only function can be set to prevent misoperations
	Automatic voltage adjustment AVR function	When the grid voltage changes, the output voltage can be kept constant automatically
Application environment	Operation place	Indoor, free from direct sunlight, no dust, no corrosive gas, no combustible gas, no oil mist, no water mist, no drip or salt, etc.
	Altitude	Lower than 1000m. Service in derated capacity when above 1000m. Derate 1% capacity every 100m increase in height.
	Ambient temperature	-10 °C to +50 °C (If the ambient temperature is 40°C to 50 °C, please reduce the amount to use)
	Humidity	≤ 95%RH, no water condensation
	Vibration	< 5.9m/s ² (0.6G)
	Storage temperature	-25°C ~ 60°C
	Protection class	IP20