

The Innovative Solution with High Performance,  
an Abundant Selection and Amazing Expandability.



Automation for a Changing World

# Delta Programmable Logic Controller DVP Series



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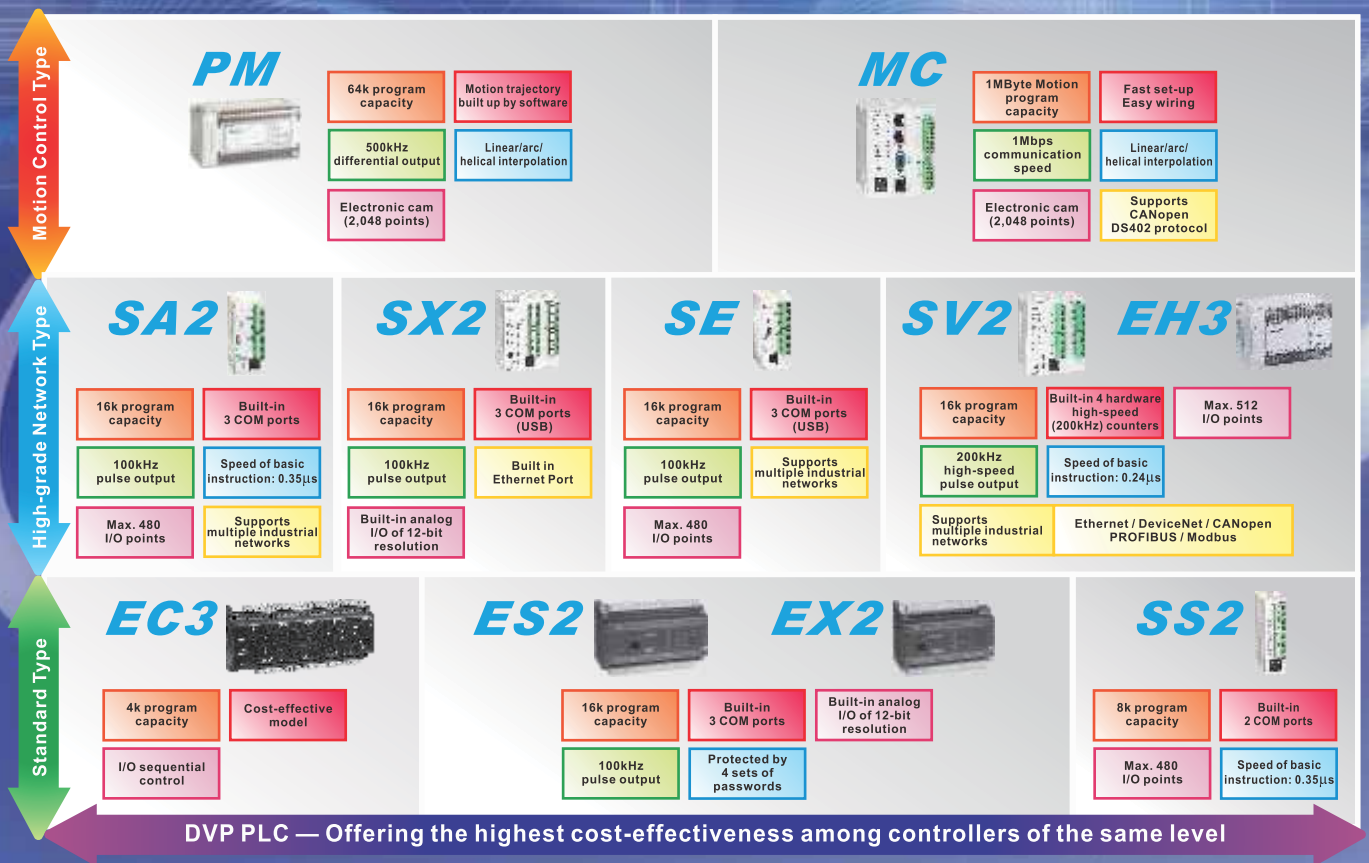
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 **DELTA**  
Smarter. Greener. Together.

# The Perfect Small PLC Revolution!

After launching the first DVP series PLCs for industrial automation applications, Delta has devoted itself to delivering more innovative products that satisfy customers' needs and meet the requirements for a wide variety of applications.

Delta PLCs offer a broad range of controllers and modules which all feature high performance, multiple functions and efficient program editing tools. In addition to the user-friendly programming software and faster execution speed, we also provide complete industry-focused solutions, motion control solutions, and industrial fieldbus solutions with Delta's new PLC series. We integrate our PLCs with Delta's industrial automation products to deliver a total integrated solution. As your most reliable partner, Delta is dedicated to creating value for our customers.





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## 2nd Generation Standard Type PLC DVP-ES2/EX2

- Integrated communication functions
- Built-in 1 RS-232 and 2 RS-485 ports
- V2.0 and later version models support real time clock and file register (5k words)

- ▶ DVP-ES2 provides 16/20/24/32/40/60 I/O points for a variety of applications
- ▶ DVP20EX2 provides 12-bit 4 analog inputs / 2 analog outputs. With the aid of 14-bit analog input / output extension module and built-in PID auto tuning function, it offers a complete analog control solution
- ▶ Program capacity: 16k steps  
Data register: 10k words
- ▶ Higher execution speed compared to the competition: LD: 0.35µs, MOV: 3.4µs
- ▶ Highly efficient processing ability: 1k steps of programs can be completed within 1ms
- ▶ Max. 100kHz pulse control. Specific motion control instructions such as mark/masking and instant frequency changing are available for multi-axes applications
- ▶ Up to 4 levels of password protection secures your source programs and intellectual property

### Built-in High-Speed Counters

1-phase 1 input		1-phase 2 inputs		2-phase 2 inputs	
Sets	Bandwidth	Sets	Bandwidth	Sets	Bandwidth
2/6	100kHz/10kHz	2	100kHz	1/3	15kHz/5kHz

## New Member of DVP-ES2 Series

2nd Generation Standard Type PLC  
with built-in CANopen interface  
DVP32ES2-C

Inheriting the fast execution speed of Es2, the DVP32ES2-C boosts the productivity by built-in 1Mbps CANopen interface and specializes in noise-immunity and easy wiring

Fast processing speed

High-speed industrial network: CANopen

- ▶ COM3 supports standard CANopen DS301 protocol
- ▶ Provides versatile communication types: PDO, SDO, synchronous (SYNC), Emergency, NMT and many more
- ▶ 1Mbps high speed transmission for large data  
Maximum PDO transmission up to 390 bytes  
Maximum PDO receiving up to 390 bytes
- ▶ Ability to connect with 16 slaves via CANopen
- ▶ CANopen Builder software is used to construct slave nodes





## New Member of DVP-EX2 Series

### 2nd Generation Temperature/Analog I/O PLC DVP30EX2

Integrated controller able to control temperature and analog input

- ▶ Built-in 16-bit 3 analog inputs / 12-bit 1 analog output
- ▶ With built-in PID auto tuning function, it offers a complete analog control solution
- ▶ Provides 3 analog inputs for PT/Ni temperature input, precision of 0.1 degree can be readily achieved
- ▶ Suitable for the specific industries that require temperature and analog input control such as boiler industries and HVAC

#### Built-in Analog I/O in EX2 Model

Analog Input		Analog Output	
Points	3	Points	1
Resolution	16-bit	Resolution	12-bit
Spec.	-20~20mA or -10~10V	Spec.	0~20mA or -10~10V

#### Built-in temperature control function in DVP30EX2

Sensor	PT100/PT1000	NI100/NI1000
Temperature Range	-200°C~800°C	-100°C~180°C
Value Range	-2000~8000	-1000~1800

## Basic Type PLC DVP-EC3

Applicable for sequence control and simple RS-485/MODBUS communication

- ▶ Built-in I/O: 10/14/16/20/24/30/32/40/48/60
- ▶ Program capacity: 4k steps
- ▶ COM port: Built-in RS-232 & RS-485 ports (10/14-point models do not support RS-485), compatible with MODBUS ASCII/RTU protocol
- ▶ Supports 2 points (Y0, Y1) of independent high-speed (max. 10kHz) pulse output

#### Built-in High-Speed Counters

1-phase 1 input		1-phase 2 inputs		2-phase 2 inputs	
Sets	Bandwidth	Sets	Bandwidth	Sets	Bandwidth
2/2	20kHz/10kHz	1	20kHz	1	4kHz

# Extension Modules

The Most Cost-Effective Solution to Sequential Control!

## DVP-ES2/EX2

- ▶ 100kHz pulse output
- ▶ Analog input/output



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Model name	Spec.
DVP16ES200R	Ⓢ Ⓢ Ⓢ Ⓢ
DVP16ES200T	Ⓢ Ⓢ Ⓢ Ⓢ
DVP24ES200R	Ⓢ Ⓢ Ⓢ Ⓢ
DVP24ES200T	Ⓢ Ⓢ Ⓢ Ⓢ
DVP32ES200R	Ⓢ Ⓢ Ⓢ Ⓢ
DVP32ES200T	Ⓢ Ⓢ Ⓢ Ⓢ
DVP32ES211T	Ⓢ Ⓢ Ⓢ Ⓢ
DVP32ES200RC	Ⓢ Ⓢ Ⓢ Ⓢ
DVP32ES200TC	Ⓢ Ⓢ Ⓢ Ⓢ
DVP40ES200R	Ⓢ Ⓢ Ⓢ Ⓢ
DVP40ES200T	Ⓢ Ⓢ Ⓢ Ⓢ
DVP60ES200R	Ⓢ Ⓢ Ⓢ Ⓢ
DVP60ES200T	Ⓢ Ⓢ Ⓢ Ⓢ

Ⓢ : AC power supply    Ⓢ : Inputs    Ⓢ : Outputs  
 Ⓢ : DC power supply    Ⓢ : Transistor output  
 Ⓢ : Relay output

Model name	Spec.
DVP20EX200R	Ⓢ Ⓢ Ⓢ 4AI/2AO Ⓢ
DVP20EX200T	Ⓢ Ⓢ Ⓢ 4AI/2AO Ⓢ
DVP30EX200R	Ⓢ Ⓢ Ⓢ 3AI/1AO Ⓢ
DVP30EX200T	Ⓢ Ⓢ Ⓢ 3AI/1AO Ⓢ

Ⓢ : AC power supply    Ⓢ : Inputs    Ⓢ : Outputs  
 Ⓢ : DC power supply    Ⓢ : Transistor output  
 Ⓢ : Relay output

### Digital I/O Modules

- Input Point Extension  
DVP08XM211N  
DVP16XM211N
- Output Point Extension  
DVP08XN211R/T  
DVP16XN211R/T  
DVP24XN200R/T
- Input/Output Point Extension  
DVP08XP211R/T  
DVP16XP211R/T  
DVP24XP200R/T  
DVP32XP200R/T



### Analog I/O Modules

- Input Point Extension  
DVP04AD-E2
- Output Point Extension  
DVP04DA-E2  
DVP02DA-E2
- Input/Output Point Extension  
DVP06XA-E2



### Temperature Measurement Modules

- DVP04PT-E2
- DVP04TC-E2



### Resolver Modules

- DVP10RC-E2



### ES2 series extension cable modules

- DVPAXT01-E2

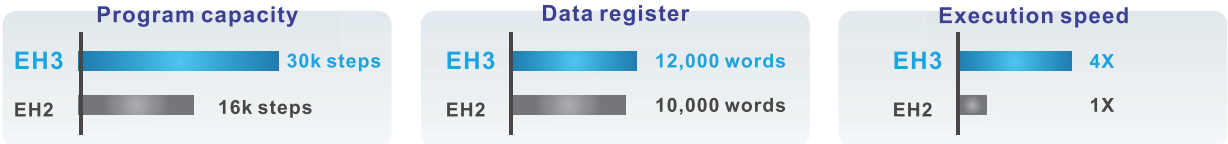




## High Performance PLC

### DVP-EH3

The new generation DVP-EH3 PLC is the high-end model of the Delta DVP-E series. It provides larger program capacity and data registers for more demanding and complex applications.



#### Excellent Motion Control

- ▶ High-speed pulse output: 4 sets of 200kHz pulse output (DVP40/48/64/80EH00T3)
- ▶ Supports max. 4 hardware 200kHz high-speed counters
- ▶ Increases many motion control instructions to meet the applications that require high-speed and high-precision positioning control such as labeling machines, packaging machines and printing machines
- ▶ Offers linear / arc interpolation motion control
- ▶ Provides up to 16 external interrupt pointers

#### Complete Program Protection

- ▶ Auto backup function to prevent losing programs and data even when the battery runs out
- ▶ Second copy function provides a backup for extra insurance in the event that one set of programs and data are damaged
- ▶ Up to 4-level password protection protects your source programs and intellectual property

#### Outstanding Operation Performance

CPU + ASIC dual processors support floating point operations. The max. execution speed of basic instructions is able to reach 0.24μs.

#### Flexible Function Extension Modules & Cards

The multiple selections of extension modules and function cards provide analog I/O, temperature measurement, additional single-axis motion control, high-speed counting, 3rd serial communication port and Ethernet communication card are available.

#### PLC-Link

PLC-Link allows the user to link up a max. 32 units to the network without having to install extra communication extension modules.

#### Built-in 4 Hardware High-Speed Counters

Standard		Hardware high-speed counter					
1-phase 1 input		1-phase 1 input		1-phase 2 inputs		2-phase 2 inputs	
Sets	Bandwidth	Sets	Bandwidth	Sets	Bandwidth	Sets	Bandwidth
8	10kHz	4	200kHz	2/2	200kHz/20kHz	2/2	200kHz/20kHz

\*The specifications in this table are applicable only for DVP40EH00R3/DVP40EH00T3. For input/output specifications of other models, refer to the I/O specifications table in page 20.

# Extension Modules

Small PLC with the Highest Operation Efficiency!

## DVP-EH3

- ▶ Max. 512 I/O points
- ▶ 200kHz high-speed pulse output
- ▶ Brand-new high-speed extension modules
- ▶ Supports linear/arc interpolation
- ▶ L type supports left-side extension



### Function Cards

- For RS-232 / RS-422 / RS485 Communication (COM3 Port, DVP-EH3 series PLC only)

DVP-F232



DVP-F422



DVP-F485



- For Ethernet Communication

DVP-FEN01



- Analog I/O

DVP-F2AD  
DVP-F2DA



### Accessories

- Data Backup Card

- DVP-512FM(EH3 only)



- DVPPCC01 (for general purpose)



- Data Transmission Cable

- DVPACAB2A30



- Digital Display Panel

- DVPDU01



Model name	Specifications (Spec.)
DVP16EH00R3	—AC— 8 I 8 O (R) → 2 sets of 200kHz pulse input
DVP16EH00T3	—AC— 8 I 8 O (T) → 2 sets of 200kHz pulse input, 2 sets of 200kHz pulse output
DVP20EH00R3	—AC— 12 I 8 O (R) → 2 sets of 200kHz pulse input, 1 set of 20kHz pulse input
DVP20EH00T3	—AC— 12 I 8 O (T) → 2 sets of 200kHz pulse input, 2 sets of 200kHz pulse output
DVP32EH00R3	—AC— 16 I 16 O (R) → 4 sets of 200kHz pulse input
DVP32EH00T3	—AC— 16 I 16 O (T) → 4 sets of 200kHz pulse input, 2 sets of 200kHz pulse output
DVP32EH00M3	—AC— 16 I 16 O (M) → 4 sets of 200kHz pulse input (Differential: 2 sets), 2 sets of 200kHz pulse output (Differential)
DVP32EH00R3-L*	—AC— 16 I 16 O (R) → 4 sets of 200kHz pulse input
DVP32EH00T3-L*	—AC— 16 I 16 O (T) → 4 sets of 200kHz pulse input, 2 sets of 200kHz pulse output
DVP40EH00R3	—AC— 24 I 16 O (R) → 4 sets of 200kHz pulse input
DVP40EH00T3	—AC— 24 I 16 O (T) → 4 sets of 200kHz pulse input/output
DVP48EH00R3	—AC— 24 I 24 O (R) → 4 sets of 200kHz pulse input
DVP48EH00T3	—AC— 24 I 24 O (T) → 4 sets of 200kHz pulse input/output
DVP64EH00R3	—AC— 32 I 32 O (R) → 4 sets of 200kHz pulse input
DVP64EH00T3	—AC— 32 I 32 O (T) → 4 sets of 200kHz pulse input/output
DVP80EH00R3	—AC— 40 I 40 O (R) → 4 sets of 200kHz pulse input
DVP80EH00T3	—AC— 40 I 40 O (T) → 4 sets of 200kHz pulse input/output

—AC— : AC power supply    I : Inputs    O : Outputs    (R) → : Relay output    (T) → : Transistor output    (M) → : Differential output

\*Supports left-side high-speed extension.

## Digital I/O Modules

### Input Point Extension

DVP08HM11N  
DVP16HM11N  
DVP32HM11N



### Output Point Extension

DVP08HN11R/T  
DVP32HN00R/T



### Input/Output Point Extension

DVP08HP11R/T  
DVP16HP11R/T  
DVP32HP00R/T  
DVP48HP00R/T



## Analog I/O Modules

### Analog Function Extension

#### Analog Input

- DVP04AD-H2  
V : 14-bit  
I : 13-bit
- DVP04AD-H3  
V : 16-bit  
I : 16-bit



#### Analog Output

- DVP04DA-H2  
V : 12-bit  
I : 12-bit
- DVP04DA-H3  
V : 16-bit  
I : 16-bit



#### Analog Input/Output

- DVP06XA-H2  
Input 4CH / Output 2CH  
V : 12-bit / V : 12-bit  
I : 11-bit / I : 12-bit
- DVP06XA-H3  
V : 16-bit  
I : 16-bit



### Temperature Measurement

- Sensor: PT100  
DVP04PT-H2



- Sensor:  
DVP04TC-H2  
J, K, R, S, E, N, T  
thermocouple  
0~150mV



- DVP32EH00R3-L & DVP32EH00T3-L are also compatible with left-side high-speed extension modules for DVP-SV2 series\*.

### Motion Control

- Single-Axis Positioning  
DVP01PU-H2



- DVP08TC-H2  
J, K, R, S, E, N, T  
thermocouple  
±150mV

- High-Speed Counter  
DVP01HC-H2

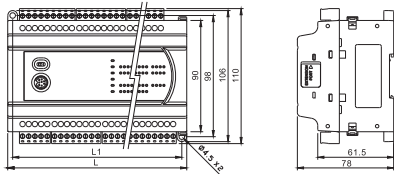


\*For left-side high-speed extension modules, refer to page 23.

# Dimensions

## ES2/EX2 Series PLC

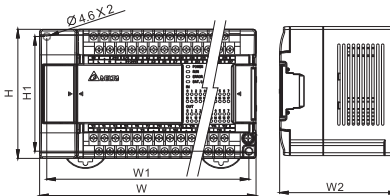
Model name (mm)	L	L1
DVP16ES200R/T	105	97
DVP24ES200R/T	125	117
DVP32ES200R/T	145	137
DVP32ES200RC	145	137
DVP32ES200TC	145	137
DVP32ES211T	145	137
DVP40ES200R/T	165	157
DVP60ES200R/T	225	217
DVP20EX200R/T	145	137
DVP30EX200R/T	165	157



## EH3 Series PLC

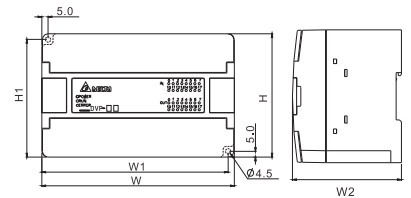
Model name (mm)	H	H1	W	W1	W2
DVP16EH00R3/T3	90	80	113	103	82
DVP20EH00R3/T3	90	80	113	103	82
DVP32EH00M3	90	80	143.5	133.5	82
DVP32EH00R3/T3	90	80	143.5	133.5	82
DVP32EH00R3-L	90	80	143.5	133.5	82
DVP32EH00T3-L	90	80	143.5	133.5	82
DVP40EH00R3/T3	90	80	158.8	153.8	82
DVP48EH00R3/T3	90	80	174	164	82
DVP64EH00R3/T3	90	80	212	202	82
DVP80EH00R3/T3	90	80	276	266	82

\* DVP-EH2尺寸同DVP-EH3



## ES/EX Series PLC

Model name (mm)	H	H1	W	W1	W2
DVP14ES00R2/T2	100	95	104	99	82
DVP24ES00(11)R2/T2	100	95	155	150	82
DVP30ES00R2/T2	100	95	155	150	82
DVP32ES00R2/T2	100	95	155	150	82
DVP40ES00R2/T2	100	95	155	150	82
DVP60ES00R2/T2	100	85.5	185	180.5	89.6
DVP20EX00(11)R2/T2	100	95	155	150	82

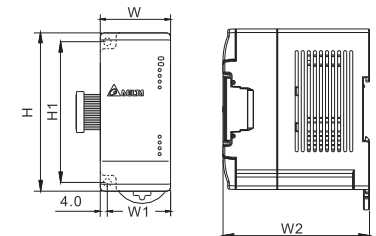


## EH3 Series I/O & Extension Modules

Model name (mm)	H	H1	W	W1	W2
DVP08HM11N	90	80	40	36	82
DVP16HM11N	90	80	55	51	82
DVP32HM11N	90	80	143.5	133.5	82.2
DVP08HN11R/T	90	80	40	36	82
DVP32HN00R/T	90	80	143.5	133.5	82.2
DVP08HP11R/T	90	80	40	36	82
DVP16HP11R/T	90	80	55	51	82
DVP32HP00R/T	90	80	143.5	133.5	82.2
DVP48HP00R/T	90	80	174	164	82.2

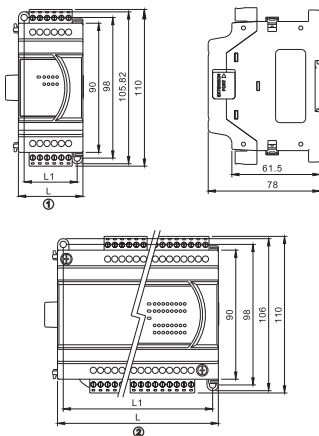
Model name (mm)	H	H1	W	W1	W2
DVP04AD-H2	90	80	60	56	82
DVP04DA-H2	90	80	60	56	82
DVP06XA-H2	90	80	60	56	82
DVP04PT-H2	90	80	60	56	82
DVP04TC-H2	90	80	60	56	82
DVP01PU-H2	90	80	60	56	82
DVPDT02-H2	90	80	40	46	82
DVPCP02-H2	90	80	40	46	82
DVPPF02-H2	90	80	40	46	82
DVP04AD-H3	90	80	60	56	82
DVP04DA-H3	90	80	60	56	82
DVP06XA-H3	90	80	60	56	82

\*The dimensions of DVP-EH2 models are the same as DVP-EH3 models



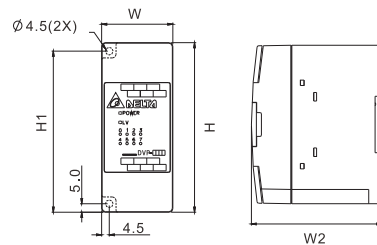
## ES2/EX2 Series Extension Modules

Model name (mm)	L	L1	Type
DVP08XM211N	45	37	⊙
DVP08XP211R/T	45	37	⊙
DVP08XN211R/T	45	37	⊙
DVP16XM211N	70	62	⊙
DVP16XP211R/T	70	62	⊙
DVP16XN211R/T	70	62	⊙
DVP24XP200R/T	145	137	⊙
DVP24XN200R/T	145	137	⊙
DVP32XP200R/T	145	137	⊙
DVP04AD-E2	70	62	⊙
DVP02DA-E2	70	62	⊙
DVP04DA-E2	70	62	⊙
DVP06XA-E2	70	62	⊙
DVP04PT-E2	70	62	⊙
DVP04TC-E2	70	62	⊙
DVP10RC-E2	70	62	⊙



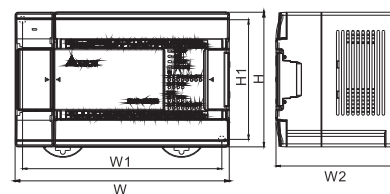
## ES/EX Series I/O & Extension Modules

Model name (mm)	H	H1	W	W1	W2
DVP08XM11N	100	95	42	37.5	82
DVP16XM11N	100	95	104	99	82
DVP08XN11R/T	100	95	42	37.5	82
DVP16XN11R/T	100	95	155	150	82
DVP24XN11R/T	100	95	155	150	82
DVP24XN00R/T	100	95	155	150	82
DVP08XP11R/T	100	95	42	37.5	82
DVP24XP11R/T	100	95	155	150	82





## PM Series PLC

Model name (mm)	H	H1	W	W1	W2
DVP20PM00D	90	80	174	164	82
DVP20PM00M	90	80	174	164	82
DVP10PM00M	90	80	143.5	133.5	82









## EC3 Series PLC

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
EC3 series standard PLC	100~240VAC	Relay	12	8	DVP20EC00T3	 
	100~240VAC	Transistor	12	12	DVP24EC00R3	
	100~240VAC	Relay	12	12	DVP24EC00T3	
	100~240VAC	Transistor	18	12	DVP30EC00R3	
	100~240VAC	Relay	18	12	DVP30EC00T3	
	100~240VAC	Transistor	16	16	DVP32EC00R3	
	100~240VAC	Relay	16	16	DVP32EC00T3	
	100~240VAC	Transistor	24	16	DVP40EC00R3	
	100~240VAC	Relay	24	16	DVP40EC00T3	
	100~240VAC	Transistor	28	20	DVP48EC00R3	
	100~240VAC	Relay	28	20	DVP48EC00T3	
	100~240VAC	Transistor	36	24	DVP60EC00R3	
100~240VAC	Relay	36	24	DVP60EC00T3		
Fastest execution time of basic instructions		3.8μs	Execution time of MOV instruction		5.04μs	

## ES2/EX2 Series PLC



Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2 series standard PLC	100~240VAC	Relay	8	8	DVP16ES200R	 
	100~240VAC	Transistor	8	8	DVP16ES200T	
	100~240VAC	Relay	16	8	DVP24ES200R	
	100~240VAC	Transistor	16	8	DVP24ES200T	
	100~240VAC	Relay	16	16	DVP32ES200R	
	100~240VAC	Transistor	16	16	DVP32ES200T	
	24VDC	Relay	16	16	DVP32ES211T	
	100~240VAC	Transistor	24	16	DVP40ES200R	
	100~240VAC	Relay	24	16	DVP40ES200T	
	100~240VAC	Transistor	36	24	DVP60ES200R	
ES2 series built-in CANopen PLC	100~240VAC	Relay	36	24	DVP60ES200T	
	100~240VAC	Transistor	36	24	DVP32ES200RC	
EX2 series analog PLC	100~240VAC	Transistor	8	6	DVP20EX200R	
		Analog	4	2		
	100~240VAC	Relay	8	6	DVP20EX200T	
		Analog	4	2		
EX2 series temperature/analog PLC	100~240VAC	Transistor	16	10	DVP30EX200R	
		Analog	3	1		
	100~240VAC	Relay	16	10	DVP30EX200T	
		Analog	3	1		
Fastest execution time of basic instructions		3.8μs	Execution time of MOV instruction		5.04μs	

## ES2/EX2 Series Digital I/O Module (AC power supply)

Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
ES2/EX2 digital module	100~240VAC	Relay	-	24	DVP24XN200R	 
	100~240VAC	Transistor	-	24	DVP24XN200T	
	100~240VAC	Relay	16	8	DVP24XP200R	
	100~240VAC	Transistor	16	8	DVP24XP200T	
	100~240VAC	Relay	16	16	DVP32XP200R	
	100~240VAC	Transistor	16	16	DVP32XP200T	



# Ordering Information

## ES2/EX2 Series Digital / Analog Module (DC24V)





Product name	Output method	Inputs	Outputs	Model name	Certificates
ES2/EX2 series digital module	-	8	-	DVP08XM211N	 
	Relay	-	8	DVP08XN211R	
	Transistor	-	8	DVP08XN211T	
	Relay	4	4	DVP08XP211R	
	Transistor	4	4	DVP08XP211T	
	-	16	-	DVP16XM211N	
	Relay	-	16	DVP16XN211R	
	Transistor	-	16	DVP16XN211T	
	Relay	8	8	DVP16XP211R	
ES2/EX2 series analog I/O module	■ 4 points of analog voltage (10V, 5V) / current (20mA, 0~20mA, 4~20mA) input *1 ■ Resolution: 14-bit (-32,000~+32,000)			DVP04AD-E2	
	■ 4 points of analog voltage (-10V~+10V) / current (0~20mA, 4~20mA) output ■ Resolution: 14-bit (-32,000~+32,000) / (0~+32,000)			DVP04DA-E2	
	■ 2 points of analog voltage (-10V~+10V) / current (0~20mA, 4~20mA) output *1 ■ Resolution: 14-bit (-32,000~+32,000) / (0~+32,000)			DVP02DA-E2	
	■ 4 points of analog voltage (10V, 5V) / current (20mA, 0~20mA, 4~20mA) input *1 ■ Input resolution: 14-bit (-32,000~+32,000) ■ 2 points of analog voltage (-10V~+10V) / current (0~20mA, 4~20mA) output ■ Output resolution: 14-bit (-32,000~+32,000) / (0~+32,000)			DVP06XA-E2	
ES2/EX2 series temperature measurement module	■ 4 points of platinum RTD (Pt100, Pt1000, Ni100, Ni1000) sensor input / 0~300Ω resistance input *1 ■ Resolution: 16-bit ■ With PID temperature control			DVP04PT-E2	
	■ 4 points of thermocouple (J, K, R, S, T, E, N Type) sensor input / -80mV~+80mV voltage input *1 ■ Resolution: 20-bit ■ With PID temperature control			DVP04TC-E2	
Absolute resolver module	■ Converts 1 set of resolver input signal (angle/speed) into digital signals ■ Resolution: 12-bit ■ Supports disconnection detection for distance up to 50m			DVP10RC-E2	

\*1. Digital/analog photocoupler isolation. No isolation among channels.

## EH2/EH3 Series PLC



Product name	Power supply	Output method	Inputs	Outputs	Model name	Certificates
EH2/EH3 series standard PLC	100~240VAC	Relay	8	8	DVP16EH00R2/DVP16EH00R3	 
	100~240VAC	Transistor	8	8	DVP16EH00T2/DVP16EH00T3	
	100~240VAC	Relay	12	8	DVP20EH00R2/DVP20EH00R3	
	100~240VAC	Transistor	12	8	DVP20EH00T2/DVP20EH00T3	
	100~240VAC	Transistor	16	16	DVP32EH00T2/DVP32EH00T3	
	100~240VAC	Relay	16	16	DVP32EH00R2/DVP32EH00R3	
	100~240VAC	Differential	16	16	DVP32EH00M2/DVP32EH00M3	
	100~240VAC	Relay	16	16	DVP32EH00R2-L/DVP32EH00R3-L	
		Transistor	16	16	DVP32EH00T2-L/DVP32EH00T3-L	
	100~240VAC	Transistor	24	16	DVP40EH00T2/DVP40EH00T3	
	100~240VAC	Relay	24	16	DVP40EH00R2/DVP40EH00R3	
	100~240VAC	Relay	24	24	DVP48EH00R2/DVP48EH00R3	
	100~240VAC	Transistor	24	24	DVP48EH00T2/DVP48EH00T3	
	100~240VAC	Relay	32	32	DVP64EH00R2/DVP64EH00R3	
	100~240VAC	Transistor	32	32	DVP64EH00T2/DVP64EH00T3	
100~240VAC	Relay	40	40	DVP80EH00R2/DVP80EH00R3		
100~240VAC	Transistor	40	40	DVP80EH00T2/DVP80EH00T3		
Execution time of basic instructions				0.24μs		

## EH2/EH3 Series Digital/Analog Module

Product name	Output method	Inputs	Outputs	Model name	Certificates
Digital module	Relay	4	4	DVP08HP11R	 
	Transistor	4	4	DVP08HP11T	
	Relay	-	8	DVP08HN11R	
	Transistor	-	8	DVP08HN11T	
	-	8	-	DVP08HM11N	
	Relay	8	8	DVP16HP11R	
	Transistor	8	8	DVP16HP11T	
	-	16	-	DVP16HM11N	
	-	32	-	DVP32HM11N	
	Relay	-	32	DVP32HN00R	
	Transistor	-	32	DVP32HN00T	
	Relay	16	16	DVP32HP11R	
	Transistor	16	16	DVP32HP11T	
	Relay	24	24	DVP48HP00R	
Transistor	24	24	DVP48HP00T		
Analog module	<ul style="list-style-type: none"> <li>■ 4 points of analog voltage (-10V~+10V)/current (-20mA~+20mA) *1</li> <li>■ Input resolution: 14-bit</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP04AD-H2	 
	<ul style="list-style-type: none"> <li>■ 4 points of analog voltage (0V~+10V)/current (0mA~+20mA) output *1</li> <li>■ Resolution: 12-bit</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP04DA-H2	
	<ul style="list-style-type: none"> <li>■ 4 points of analog voltage (-10V~+10V)/current (-20mA~+20mA) input</li> <li>■ 2 points of analog voltage (0V~+10V)/current (0mA~+20mA) output</li> <li>■ Resolution: 12-bit</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP06XA-H2	
	<ul style="list-style-type: none"> <li>■ 4 points of platinum RTD (PT100) sensor input *1</li> <li>■ Resolution: 0.1°C</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP04PT-H2	
	<ul style="list-style-type: none"> <li>■ 4 points of thermocouple (J, K, R, S, T type) sensor input *1</li> <li>■ Resolution: 0.1°C</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP04TC-H2	
	<ul style="list-style-type: none"> <li>■ 8 points of thermocouple (J, K, R, S, T type) sensor input *1</li> <li>■ Resolution: 0.1°C</li> <li>■ Built-in RS-485 interface</li> </ul>			DVP08TC-H2	
	<ul style="list-style-type: none"> <li>■ 4 channels of differential voltage (-10V~+10V) / current (-20mA~+20mA) input</li> <li>■ Resolution: 16-bit</li> <li>■ Built in RS-485 interface</li> </ul>			DVP04AD-H3	
	<ul style="list-style-type: none"> <li>■ 4 channels of voltage (-10V~+10V) / current (0~+20mA) output</li> <li>■ Resolution: 16-bit</li> <li>■ Built in RS-485 interface</li> </ul>			DVP04DA-H3	
	<ul style="list-style-type: none"> <li>■ 4 channels of differential voltage (-10V~+10V)/ current (-20mA~+20mA) input</li> <li>■ 2 channels of voltage (-10V~+10V) / current (0~+20mA) output</li> <li>■ Resolution: 16-bit</li> <li>■ Built in RS-485 interface</li> </ul>			DVP06XA-H3	

\*1. Digital/analog photocoupler isolation. No isolation among channels.

## EH2/EH3 Series Extension Module / Function Card

Product name	Description	Model name	Certificates
Positioning module	Servo position control module (single axis, 200kHz)	DVP01PU-H2	 
High-speed counter	High-speed counter module (1CH)	DVP01HC-H2	
Communication module	PROFIBUS DP slave communication module	DVP02F02-H2	
	CANopen slave communication module	DVP02C02-H2	
	DeviceNet slave communication module	DVP02D02-H2	
Function card	RS-232 port conversion (COM2) (EH2: COM2 ; EH3: COM3)	DVP-F232	
	RS-422 port conversion (COM2) (EH2: COM2 ; EH3: COM3)	DVP-F422	
	RS-232 port extension (COM3)	DVP-F232S	
	RS-485 port extension (COM3)	DVP-F485S	
	RS-485 port extension (COM3), (DVP-EH3 only)	DVP-F485	
	<ul style="list-style-type: none"> <li>■ 2 points of analog voltage (0~10V)/current (0~20mA) input</li> <li>■ Resolution: 12-bit</li> </ul>	DVP-F2AD	
	<ul style="list-style-type: none"> <li>■ 2 points of analog voltage (0~10V)/current (0~20mA) output</li> <li>■ Resolution: 12-bit</li> </ul>	DVP-F2DA	
Digital display panel	Displays data in register and real-time clock.	DVPDU01	