

# DVP Series Model Name Instructions

**• PLC**

Series ① ② ③ ④ ⑤

- Total I/O**
- Model**  
 ES/ES2/ES3: DVP-ES/ES2/ES3 series PLC  
 EX/EX2: DVP-EX/EX2 series PLC  
 SS/SS2: DVP-SS/SS2 series PLC  
 SA/SA2: DVP-SA/SA2 series PLC  
 SX/SX2: DVP-SX/SX2 series PLC  
 SC: DVP-SC series PLC  
 SV: DVP-SV series PLC  
 SE: DVP-SE series PLC  
 PM: DVP-PM series PLC  
 MC: DVP-MC series PLC  
 EH: DVP-EH series PLC  
 EC: DVP-EC series PLC
- Power supply**  
 00: AC power input  
 11: DC power input
- Output type**  
 R: Relay  
 T: Transistor (NPN)  
 M: Mixed with differential signal  
 S: Transistor (PNP)  
 RC: Relay + CANopen  
 TC: Transistor + CANopen  
 RE: Relay + Ethernet  
 TE: Transistor + Ethernet
- Version**

**• PI/PO Module**

Series ① ② ③

- Total I/O**
- Module function**  
 HC: High-speed counter  
 PU: Single-axis positioning module
- Compatible model**  
 S: DVP-SS/SA/SX/SC/SV/SS2/SA2/SX2/SV2/SE/MC Series PLC  
 H2/H3: DVP-EH2/EH3/PM Series PLC  
 SL: left-side extension for DVP-S Series PLC

**• Remote I/O**

Series ①

- Type**  
 DNET: DeviceNet  
 485: RS-485  
 EN01: Modbus TCP

**• DI/DO Module**

Series ① ② ③ ④ ⑤

- Total I/O**
- Model**  
 X: DVP-ES/EX/ES2/EX2 series PLC  
 S: DVP-SS/SA/SX/SC/SV/SS2/SA2/SX2/SV2/SE/MC series PLC  
 H: DVP-EH2/EH3/PM series PLC
- I/O type**  
 M: Input point  
 N: Output point  
 P: Input + output
- Power supply**  
 00: AC power input  
 11: DC power input
- Output type**  
 R: Relay  
 T: Transistor (NPN)  
 TS: Transistor (PNP)  
 N: None output

**• Function Card**

Series ① ② ③

- Function Card**
- Function**  
 232: RS-232 card  
 422: RS-422 card  
 485: RS-485 card  
 2AD: 2ch analog input  
 2DA: 2ch analog output
- Particular definition**  
 S: Slave mode  
 (applicable to COM3 coding only)

**• Accessory: Cable**

Series ① ② ③ ④

- Accessory**
- Accessory definition**  
 CAB: Cable
- Type**  
 1, 2, 3, 4, .....
- Cable length**  
 15: 1.5 m  
 30: 3.0 m

**• AI/AO Module**

Series ① ② ③

- Total I/O**
- Module function**  
 AD: Analog/digital conversion  
 DA: Digital/analog conversion  
 PT: PT type temperature module  
 TC: Thermocouple type temperature Module  
 XA: AD + DA module  
 LC: Load cell module  
 RC: Resolver module
- Compatible model**  
 S or S2: DVP-SS/SA/SX/SC/SV/SS2/SA2/SX2/SV2/SE/MC Series PLC  
 SL: left-side extension for DVP-S Series PLC  
 E2: DVP-ES2/EX2 Series PLC

**• Network Module**

Series ① ②

- Module function**  
 EN01: Modbus TCP  
 DNET: DeviceNet master  
 COPM: CANopen master  
 CP02: CANopen Slave  
 DT01/02: DeviceNet Slave  
 PF01/02: PROFIBUS DP Slave
- Compatible model**  
 S: DVP-SS/SA/SX/SC/SV/SS2/SA2/SX2/SV2/SE/MC Series PLC  
 H2/H3: DVP-EH2/EH3/PM Series PLC  
 SL: left-side extension for DVP-S Series PLC

**• Accessory: Other**

Series ① ② ③

- Accessory**
- Accessory definition**  
 Bt: Battery
- Type: 01, 02 .....**

\*For the availability of the product models, please contact Delta sales representatives or

ue.

# DVP Series PLC Function Overview

Select your desired specifications and locate the most suitable PLC.



Item	Specifications	Check	Model							
			ES2	EX2	EH3	SS2	SA2	SX2	SV2	SE
Power Supply	AC	<input type="checkbox"/>	⊙	⊙	○					
	DC	<input type="checkbox"/>				○	○	○	○	○
I/O Points	< 256	<input type="checkbox"/>	△	△						
	< 512	<input type="checkbox"/>			△	△	△	△	△	△
Program Capacity	< 8 k	<input type="checkbox"/>				○				
	<16 k	<input type="checkbox"/>	○	○			○	○		○
	< 32 k	<input type="checkbox"/>			○				○	
Output Type	Transistor (NPN)	<input type="checkbox"/>	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	Transistor (PNP)	<input type="checkbox"/>				⊙	△	⊙	⊙	△
	Relay	<input type="checkbox"/>	⊙	⊙	⊙	⊙	⊙	⊙	⊙	⊙
	Differential signal	<input type="checkbox"/>			⊙					
Communication	3 COM ports (RS-232/485)	<input type="checkbox"/>	○	○	△		○	△	△	△
	Ethernet	<input type="checkbox"/>	⊙		△		△	△	△	○
	USB	<input type="checkbox"/>						○		○
	DeviceNet	<input type="checkbox"/>			△*1		△*1	△*1	△*1	△*1
	CANopen	<input type="checkbox"/>	⊙		△*1		△*1	△*1	△*1	△*1
	PROFIBUS	<input type="checkbox"/>			△*1		△*1	△*1	△*1	△*1
Positioning	2-axis output	<input type="checkbox"/>	○	○	○	○	○	○		○
	4-axis output	<input type="checkbox"/>			⊙				○	
	> 4 axes	<input type="checkbox"/>			△	△	△	△	△	△
	2-axis interpolation	<input type="checkbox"/>	○	○	○		○	○	○	○
	100 kHz high speed	<input type="checkbox"/>	○	○			○	○		○
	200 kHz high speed	<input type="checkbox"/>			○	△	△	△	○	△
High-speed Counting	≤ 2 channels	<input type="checkbox"/>	○	○		○	○	○		○
	≥ 3 channels	<input type="checkbox"/>			○*3	△	△	△	○	△
	100 kHz high speed	<input type="checkbox"/>	○	○			○	○		○
	200 kHz high speed	<input type="checkbox"/>			○	△	△	△	○	△
Analog Function	< 4 channels (AD)	<input type="checkbox"/>	△	○	△	△	△	○	△	△
	< 2 channels (DA)	<input type="checkbox"/>	△	○*2	△	△	△	○*2	△	△

Note:

○ With such specification ⊙ Varies upon model △ With such specification when connected to extension module/function card

\*1: Series that support left-side modules can support both master and slave; other series support only slave

\*2: DVP-EX / SX2 Series have 4 channels of analog input and 2 channels of analog output

\*3: In addition to the built-in 4 channels of high-speed counters, the DVP-EH3 Series can connect high-speed counter modules

# Slim PLC DVP-S Series

## Compact, Flexible Extension

### DVP-SS2

Standard Slim PLC



Model Name	Specifications
DVP28SS211R	—DC— 16 I 12 O (R)
DVP28SS211T	—DC— 16 I 12 O (T)
DVP28SS211S <small>New</small>	—DC— 16 I 12 O (S)
DVP14SS211R	—DC— 8 I 6 O (R)
DVP14SS211T	—DC— 8 I 6 O (T)
DVP12SS211S	—DC— 6 I 4 O (S)

—DC— DC power supply    I Inputs    O Outputs  
 (T) Transistor output (NPN)    (R) Relay output  
 (S) Transistor output (PNP)

### DVP-SX2

Analog I/O Slim PLC



Model Name	Specifications
DVP20SX211R	—DC— 8 I 6 O (R) 4AI/2AO
DVP20SX211T	—DC— 8 I 6 O (T) 4AI/2AO
DVP20SX211S	—DC— 8 I 6 O (S) 4AI/2AO

—DC— DC power supply    I Inputs    O Outputs  
 (T) Transistor output (NPN)    (R) Relay output  
 (S) Transistor output (PNP)

### DVP-SA2

Advanced Slim PLC



Model Name	Specifications
DVP28SA211R <sup>*1</sup>	—DC— 16 I 12 O (R)
DVP28SA211T <sup>*1</sup>	—DC— 16 I 12 O (T)
DVP28SA211S <sup>*1</sup> <small>New</small>	—DC— 16 I 12 O (S)
DVP12SA211R	—DC— 8 I 4 O (R)
DVP12SA211T	—DC— 8 I 4 O (T)

\*1 The models do not support left-side modules.

—DC— DC power supply    I Inputs    O Outputs  
 (T) Transistor output (NPN)    (R) Relay output

### DVP-SV2

High Performance Slim PLC



Model Name	Specifications
DVP28SV11R2	—DC— 16 I 12 O (R)
DVP28SV11T2	—DC— 16 I 12 O (T)
DVP28SV11S2	—DC— 16 I 12 O (S)
DVP24SV11T2	—DC— 10 I 12 O (T) 2AI

—DC— DC power supply    I Inputs    O Outputs  
 (T) Transistor output (NPN)    (R) Relay output  
 (S) Transistor output (PNP)

### DVP-SE

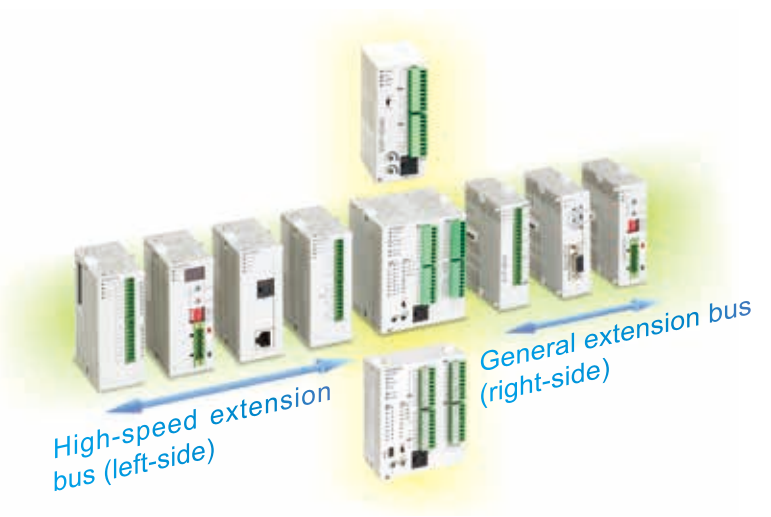
Network Type Advanced Slim PLC



Model Name	Specifications
DVP26SE11R <sup>*1</sup>	—DC— 14 I 12 O (R)
DVP26SE11T <sup>*1</sup>	—DC— 14 I 12 O (T)
DVP26SE11S <sup>*1</sup> <small>New</small>	—DC— 14 I 12 O (S)
DVP12SE11R	—DC— 8 I 4 O (R)
DVP12SE11T	—DC— 8 I 4 O (T)

\*1 The models do not support left-side modules.

—DC— DC power supply    I Inputs    O Outputs  
 (T) Transistor output (NPN)    (R) Relay output



# Slim PLC DVP-S Series Extension Modules

## High-speed Extension Modules (left-side)<sup>\*1</sup>

### Network Modules

- **DeviceNet Master**  
DVPDNET-SL
- **CANopen Master**  
DVPCOPM-SL



- **Ethernet**  
DVPEN01-SL



- **PROFIBUS-DP Slave**  
DVPPF02-SL

- **RS-422/RS-485 Serial Communication Module**  
DVPSCM12-SL



- **BACnet MS/TP Slave Serial Communication Module**

### Analog Extension

- **Analog Input**  
DVP04AD-SL
- **Analog Output**  
DVP04DA-SL



### Load Cell/Tension

- **Load Cell Module**  
DVP01LC-SL  
DVP02LC-SL  
DVP201LC-SL  
DVP211LC-SL  
DVP202LC-SL



## General Extension Modules (right-side)<sup>\*2</sup>

### I/O Point Extension

- **Input Point Extension**  
DVP08SM11N  
DVP16SM11N



- **Output Point Extension**  
DVP06SN11R  
DVP08SN11R/T  
DVP08SN11TS  
DVP16SN11T  
DVP16SN11TS



- **Input/Output Point Extension**  
DVP08SP11R/T  
DVP08SP11TS  
DVP16SP11R/T  
DVP16SP11TS



- **Pin Header Input**  
DVP32SM11N



- **Pin Header Output**  
DVP32SN11TN



- **Digital Switch**  
DVP08ST11N



### Analog Extension

- **Analog Input**  
DVP04AD-S  
DVP06AD-S  
DVP04AD-S2



- **Analog Output**  
DVP04DA-S  
DVP02DA-S  
DVP04DA-S2



- **Analog Input/Output**  
DVP06XA-S  
DVP06XA-S2



### Temperature Measurement

- **Sensor: Pt100, Pt1000**  
DVP04PT-S  
DVP06PT-S



- **Sensor: J,K,R,S,T thermocouple**  
DVP04TC-S



- **Sensor: <sup>New</sup> NTC thermocouple**  
DVP08NTC-S



- **Temperature Control:**  
DVP02TUN-S  
DVP02TUR-S  
DVP02TUL-S



- **Remote Temperature Control Module:**  
DVP02TKN-S  
DVP02TKR-S  
DVP02TKL-S



### Communication Modules

- **PROFIBUS Slave**  
DVPPF01-S
- **DeviceNet Slave**  
DVPDT01-S



### Power Supply Modules

- DVPPS01  
DVPPS02  
DVPPS05



### Axis Control Module

- **Single-Axis Positioning**  
DVP01PU-S



\*1. DVP32EH00R3-L & DVP32EH00T3-L are also compatible with the left-side high-speed extension modules.

\*2. Max. quantity of right-side extension module is 14, among which the quantity of -S and -S2 modules must be equal to or less than 8. If the total quantity of extension modules is over 14, applying high density extension modules is recommended.

# Specifications

## Electrical Specifications

	AC	DC
<b>Power Supply Voltage</b>	100 ~ 240 V <sub>AC</sub> (-15% ~ 10%), 50/60Hz ±5%	24 V <sub>DC</sub> (-15% ~ 20%)
<b>Fuse Capacity</b>	2A/250 V <sub>AC</sub>	ES: 2A/250 V <sub>AC</sub> ; SV: 2.5A/30 V <sub>DC</sub>
<b>Spike Voltage Durability</b>	1500 V <sub>AC</sub> (Primary-secondary); 1500 V <sub>AC</sub> (Primary-PE); 500 V <sub>AC</sub> (Secondary-PE)	
<b>Insulation Impedance</b>	> 5 MΩ (all I/O point-to-ground: 500 V <sub>DC</sub> )	
<b>Noise Immunity</b>	ESD: 8 kV Air Discharge EFT: Power Line, 2 kV Digital I/O: 1 kV Analog & Communication I/O: 1 kV RS: 26 MHz ~ 1 GHz, 10 V/m	
<b>Earth</b>	The diameter of grounding wire shall not be shorter than that of the power supply cable. (When many PLCs are in use at the same time, please make sure every PLC is properly grounded.)	
<b>Storage/Operation</b>	Storage: -25°C ~ 70°C (temperature); 5% ~ 95% (humidity) Operation: 0°C ~ 55°C (temperature); 5% ~ 95% (humidity); pollution degree 2	

## Input Specifications<sup>\*1</sup>

Max. Input Frequency	10 kHz	20 kHz	100 kHz	200 kHz	
<b>Input Signal Type</b>	NPN (Sink)/PNP (Source)				
<b>Input Signal Voltage</b>	24 V <sub>DC</sub> ±10% (5 mA)				
<b>Response time<sup>*2</sup></b>	DVP-EH3/SV2/PM	OFF→ON: 20 μs ON→OFF: 50 μs	ES/EX/SX/SS2/SX2 OFF→ON: 3.5 μs ON→OFF: 20 μs	ES2/EX2/SA2/SX2 OFF ON: 2.5 μs ON→OFF: 5 μs	ES3/EH3/SV2/PM OFF→ON: 0.15 μs ON→OFF: 3 μs
	DVP-ES3/ES2/EX2				
	DVP-ES/EX				
	DVP-SX				
	DVP-SS2				
	DVP-SA2/SX2/SE				

\*1. For more detailed specifications, see the "Specification" section in the instruction sheet of each model.

\*2. When the input point on PLC conducts only general input functions, use D1020 or D1021 to adjust the response time (default: 10ms).

## Output Specifications<sup>\*1</sup>

	Relay-R	Transistor-T		
		General-speed	High-speed	
<b>Max. Exchange (working) Frequency</b>	1Hz <sup>*2</sup>	10 kHz	100 kHz	200 kHz
<b>Current spec.</b>	DVP-EH3/SV2/PM	0.3A/point @40°C	SA2/SX2/ES2/EX2/SE Resistive: 0.5A/point (4A/COM) Conductive: 12W (24 V <sub>DC</sub> ) Light bulb: 2W (24 V <sub>DC</sub> )	ES3/EH3/SV2/PM Resistive: 0.5A/point (4A/COM) Conductive: 12W (24 V <sub>DC</sub> ) Light bulb: 2W (24 V <sub>DC</sub> )
	DVP-ES3/ES2/EX2			
	DVP-ES/EX			
	DVP-SX			
	DVP-SS2/SA2/SX2/SE			
<b>Voltage Spec.</b>	250 V <sub>AC</sub> /30 V <sub>DC</sub>	30 V <sub>DC</sub>		
<b>Response Time</b>	10 ms	OFF→ON: 20 μs ON→OFF: 30 μs	OFF→ON: 2 μs ON→OFF: 3 μs	OFF→ON: 0.5 μs ON→OFF: 2.5 μs

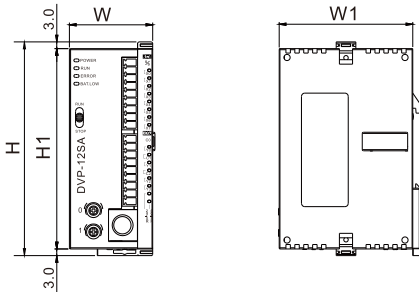
\*1. For more detailed specifications, see the "Specification" section in the instruction sheet of each model.

\*2. Relay life: Resistive load more than 200,000 times; conductive load more than 80,000 times.

# Dimensions (unit: mm)

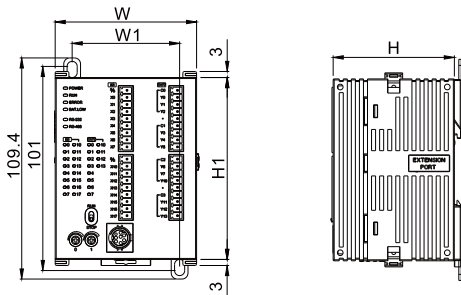
## DVP-SE / SX / SS2 / SA2 Series

Model Name (mm)	H	H1	W	W1
DVP28SS211R/T/S	96	90	46	60
DVP28SA211R/T/S	96	90	46	60
DVP26SE11R/T/S	96	90	46	60
DVP14SS211R/T	96	90	25.2	60
DVP12SS211S	96	90	25.2	60
DVP12SA211R/T	96	90	37.4	60
DVP12SE11R/T	96	90	37.4	60
DVP10SX11R/T	96	90	37.4	60



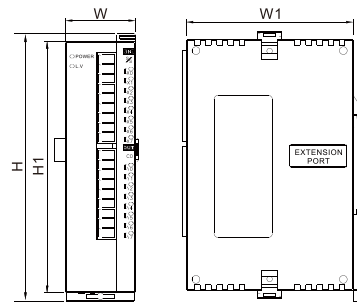
## DVP-SV / SX2 Series

Model Name (mm)	H	H1	W	W1
DVP28SV11R2/T2	60	90	70	53.2
DVP20SX211R/T/S	60	90	70	53.2

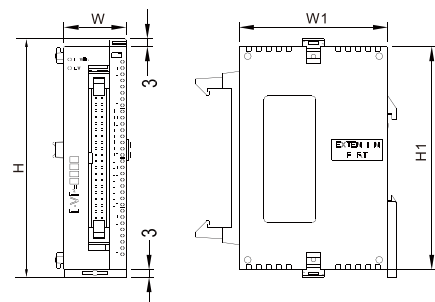


## DVP-S Series I/O and Extension Modules





Model Name (mm)	H	H1	W	W1
DVP08SM11N	96	90	25.2	60
DVP16SM11N	96	90	25.2	60
DVP06SN11R	96	90	25.2	60
DVP08SN11R/T/TS	96	90	25.2	60
DVP08SP11R/T/TS	96	90	25.2	60
DVP16SP11R/T/TS	96	90	25.2	60
DVP16SN11T	96	90	25.2	60
DVP16SN11TS	96	90	25.2	60
DVP04AD-S	96	90	25.2	60
DVP04AD-S2	96	90	25.2	60
DVP06AD-S	96	90	25.2	60
DVP02DA-S	96	90	25.2	60
DVP04DA-S	96	90	25.2	60
DVP04DA-S2	96	90	25.2	60
DVP06XA-S	96	90	25.2	60
DVP06XA-S2	96	90	25.2	60
DVP04PT-S	96	90	25.2	60
DVP08NTC-S	96	90	25.2	60
DVP06PT-S	96	90	25.2	60
DVP04TC-S	96	90	25.2	60
DVP01PU-S	96	90	25.2	60
DVPPF01-S	96	90	25.2	60
DVPDT01-S	96	90	25.2	60
DVP02TUN-S	96	90	25.2	60
DVP02TUR-S	96	90	25.2	60
DVP02TUL-S	96	90	25.2	60



Model Name (mm)	H	H1	W	W1
DVP32SN11TN	96	90	25.2	60
DVP32SM11N	96	90	25.2	60





## DVP-S Series PLC


Product Name	Power Supply	Output Method	Inputs	Outputs	Model Name	Certificates
<b>DVP-SV2 Series Functional Slim PLC</b>	24 V <sub>DC</sub>	Relay	16	12	DVP28SV11R2	
	24 V <sub>DC</sub>	Transistor	16	12	DVP28SV11T2	
	24 V <sub>DC</sub>	Transistor (PNP)	16	12	DVP28SV11S2	
	24 V <sub>DC</sub>	Transistor	10 (2AI)	12	DVP24SV11T2	
<b>Execution time of basic instructions</b>			<b>0.24 μs</b>			
<b>DVP-SS2 Series Standard Slim PLC</b>	24 V <sub>DC</sub>	Relay	16	12	DVP28SS211R	
	24 V <sub>DC</sub>	Transistor	16	12	DVP28SS211T	
	24 V <sub>DC</sub>	Transistor (PNP)	16	12	DVP28SS211S <sup>*1</sup> <b>New</b>	
	24 V <sub>DC</sub>	Relay	8	6	DVP14SS211R	
	24 V <sub>DC</sub>	Transistor	8	6	DVP14SS211T	
	24 V <sub>DC</sub>	Transistor (PNP)	8	4	DVP12SS211S	
<b>DVP-SA2 Series Advanced Slim PLC</b>	24 V <sub>DC</sub>	Relay	16	12	DVP28SA211R	
	24 V <sub>DC</sub>	Transistor	16	12	DVP28SA211T	
	24 V <sub>DC</sub>	Transistor (PNP)	16	12	DVP28SA211S <sup>*1</sup> <b>New</b>	
	24 V <sub>DC</sub>	Relay	8	4	DVP12SA211R	
<b>DVP-SX2 Series Analog Slim PLC</b>	24 V <sub>DC</sub>	Transistor	8	4	DVP12SA211T	
	24 V <sub>DC</sub>	Relay	8 (4AI)	6 (2AO)	DVP20SX211R	
	24 V <sub>DC</sub>	Transistor	8 (4AI)	6 (2AO)	DVP20SX211T	
	24 V <sub>DC</sub>	Transistor (PNP)	8 (4AI)	6 (2AO)	DVP20SX211S	
<b>Fastest execution time of basic instructions</b>		<b>0.35 μs</b>	<b>Execution time of MOV instruction</b>		<b>3.4 μs</b>	
<b>DVP-SE Series Network Type Slim PLC</b>	24 V <sub>DC</sub>	Relay	14	12	DVP26SE11R	
	24 V <sub>DC</sub>	Transistor	14	12	DVP26SE11T	
	24 V <sub>DC</sub>	Transistor (PNP)	14	12	DVP26SE11S <sup>*1</sup> <b>New</b>	
	24 V <sub>DC</sub>	Relay	8	4	DVP12SE11R	
	24 V <sub>DC</sub>	Transistor	8	4	DVP12SE11T	
<b>Fastest execution time of basic instructions</b>		<b>0.64 μs</b>	<b>Execution time of MOV instruction</b>		<b>2 μs</b>	
<b>DVP-SX Series Analog Slim PLC</b>	24 V <sub>DC</sub>	Relay	4 (2AI)	2 (2AO)	DVP10SX11R	
	24 V <sub>DC</sub>	Transistor	4 (2AI)	2 (2AO)	DVP10SX11T	
<b>Fastest execution time of basic instructions</b>		<b>3.8 μs</b>	<b>Execution time of MOV instruction</b>		<b>5.04 μs</b>	

\*1. Please contact our distributors for release date



## DVP-S Series Digital/Analog Module

Product name	Output Method	Inputs	Outputs	Model Name	Certificates
<b>Digital Module</b>	Relay	-	6	DVP06SN11R	
	Relay	-	8	DVP08SN11R	
	Transistor	-	8	DVP08SN11T	
	Transistor	-	16	DVP16SN11T	
	Relay	4	4	DVP08SP11R	
	Transistor	4	4	DVP08SP11T	
	-	8	-	DVP08SM11N	
	-	8	-	DVP08SM10N	
	Transistor (PNP)	-	8	DVP08SN11TS	
	Digital switch	8	-	DVP08ST11N	
	Relay	8	8	DVP16SP11R	
	Transistor (PNP)	4	4	DVP08SP11TS	
	Transistor (NPN)	8	8	DVP16SP11T	
	Transistor (PNP)	8	8	DVP16SP11TS	
	Transistor (PNP)	-	16	DVP16SN11TS	
	-	16	-	DVP16SM11N	
	Transistor, MIL	-	32	DVP32SN11TN	
	MIL	-	32	DVP32SM11N	
<b>Product Name</b>					
<b>Analog I/O Module</b>	<ul style="list-style-type: none"> <li>4 points of analog input voltage (-10V ~ +10V)/ current (-20mA ~ +20mA)</li> <li>Input resolution: 14-bit</li> </ul>		<ul style="list-style-type: none"> <li>Built-in RS-485 interface</li> <li>Differential input</li> </ul>	DVP04AD-S2	
	<ul style="list-style-type: none"> <li>4 points of analog output voltage (0V ~ +10V)/ current (0mA ~ +20mA)</li> </ul>		<ul style="list-style-type: none"> <li>Output resolution: 12-bit</li> <li>Built-in RS-485 interface</li> </ul>	DVP04DA-S2	
	<ul style="list-style-type: none"> <li>Analog input+output module (6 points)</li> <li>4 points of analog input voltage (-10V ~ +10V)/ current (-20mA ~ +20mA)</li> <li>2 points of analog output voltage (0V ~ +10V)/ current (0mA ~ +20mA)</li> </ul>		<ul style="list-style-type: none"> <li>Input/output resolution: 12-bit</li> <li>Built-in RS-485 interface</li> <li>Differential input</li> </ul>	DVP06XA-S2	

## DVP-S Series Analog Module

Product Name	Description	Model Name	Certificates
Analog I/O Module	<ul style="list-style-type: none"> <li>4 points of analog input voltage (-10V~+10V)/current (-20mA~+20mA)</li> <li>Input resolution: 14-bit</li> </ul>	DVP04AD-S	
	<ul style="list-style-type: none"> <li>4 points of analog output voltage (0V~+10V)/current (0mA~+20mA)</li> <li>Output resolution: 12-bit</li> </ul>	DVP04DA-S	
	<ul style="list-style-type: none"> <li>2 points of analog output voltage (0V~+10V)/current (0mA~+20mA)</li> <li>Output resolution: 12-bit</li> </ul>	DVP02DA-S	
	<ul style="list-style-type: none"> <li>6 points of analog input voltage (-10V~+10V)/current (-20mA~+20mA)</li> <li>Input resolution: 14-bit</li> </ul>	DVP06AD-S	
	<ul style="list-style-type: none"> <li>Analog input+output modules (6 points)</li> <li>4 points of analog input voltage (-10V~+10V)/current (-20mA~+20mA)</li> <li>2 points of analog output voltage (0V~+10V)/current (0mA~+20mA)</li> </ul>	DVP06XA-S	

## DVP-S Series Extension Module/High-Speed Module (Left-side)


Product Name	Description	Model Name	Certificates
High-Speed Analog I/O Module (Left-side)	<ul style="list-style-type: none"> <li>4 groups of analog input<sup>*1</sup></li> <li>Signal range: 1~5V, 0~5V, -5~5V, 0~10V, -10~10V, 4~20mA, 0~20mA, -20~20mA</li> <li>Resolution: 16-bit</li> <li>Single channel On/Off setup enhances entire conversion efficiency</li> <li>Conversion time: 250µs/point</li> <li>Off-line alarm (1~5V, 4~20mA)</li> </ul>	DVP04AD-SL	
	<ul style="list-style-type: none"> <li>4 groups of analog output<sup>*1</sup></li> <li>Signal range: 0~10V, -10~10V, 4~20mA, 0~20mA</li> <li>Resolution: 16-bit</li> <li>Offers single channel On/Off setup</li> <li>Conversion time: 250µs/point</li> </ul>	DVP04DA-SL	
High-Speed Load Cell Module (Left-side)	<ul style="list-style-type: none"> <li>1 set of load cell module<sup>*1</sup></li> <li>Resolution: 24-bit for hardware(ADC), 32-bit for data output</li> </ul>	DVP201LC-SL	
	<ul style="list-style-type: none"> <li>1 set of load cell module<sup>*1</sup></li> <li>Resolution: 24-bit for hardware(ADC), 32-bit for data output</li> <li>Connectable to 4-wire/6-wire load cell sensor</li> </ul>	DVP211LC-SL	
	<ul style="list-style-type: none"> <li>2 sets of load cell module<sup>*1</sup></li> <li>Resolution: 24-bit for hardware(ADC), 32-bit for data output</li> </ul>	DVP202LC-SL	
	<ul style="list-style-type: none"> <li>Supports 2 channels of load cell signal input<sup>*1</sup></li> <li>Resolution: 20-bit for hardware(ADC), 16-bit for data output</li> <li>Connectable to 4-wire/6-wire load cell sensor</li> <li>Measurable range: 0~6mV/V</li> </ul>	DVP02LC-SL	
	<ul style="list-style-type: none"> <li>Supports 1 channel of load cell signal input<sup>*1</sup></li> <li>Resolution: 20-bit for hardware(ADC), 32-bit for data output</li> <li>Connectable to 4-wire/6-wire load cell sensor</li> <li>Measurable range: 0~6mV/V</li> </ul>	DVP01LC-SL	
Temperature Measurement Module	<ul style="list-style-type: none"> <li>6 points of platinum RTD (Pt100, Pt1000, Ni100, Ni1000) sensor input</li> <li>Resolution: 0.1°C</li> </ul>	DVP06PT-S	
	<ul style="list-style-type: none"> <li>4 points of platinum RTD (Pt100, Pt1000, Ni100, Ni1000) sensor input<sup>*1</sup> (Version 4.06 and above supports Pt1000, Ni100, Ni1000)</li> <li>Resolution: 0.1°C</li> <li>Built-in RS-485 interface</li> </ul>	DVP04PT-S	
	<ul style="list-style-type: none"> <li>4 points of thermocouple (J, K, R, S, T type) sensor input<sup>*1</sup></li> <li>Resolution: 0.1°C</li> <li>Built-in RS-485 interface</li> </ul>	DVP04TC-S	
	<ul style="list-style-type: none"> <li>8 points of thermocouple (NTC) sensor input<sup>*1</sup></li> <li>Resolution: 0.1°C</li> <li>Built-in RS-485 interface</li> </ul>	DVP08NTC-S <sup>*2</sup> 	
	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0~10V, 0~20mA, 4~20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1°C</li> <li>4 points of NPN transistor output: 24V<sub>DC</sub>/300mA</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TUN-S	

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

\*2. Please contact our distributors for release date





## DVP-S Series Extension Module /High-Speed Module (Left-side)

Product Name	Description	Model Name	Certificates
Temperature Measurement Module	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0 ~ 10V, 0 ~ 20mA, 4 ~ 20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1 °C</li> <li>4 points of relay output: 24V<sub>DC</sub>/3A</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TUR-S	
	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0 ~ 10V, 0 ~ 20mA, 4 ~ 20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1 °C</li> <li>2 points of analog output: 0 ~ 10V, 0 ~ 20mA, 4 ~ 20mA</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TUL-S	



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

## DVP-S Series Extension Module /High-Speed Module (Left-side)

Product Name	Description	Model Name	Certificates
Positioning Module	Servo position control module (single axis, 200 kHz)	DVP01PU-S	
Communication Module	DeviceNet slave communication module	DVPDT01-S	
	PROFIBUS DP slave communication module	DVPPF01-S	
Left-Side High-Speed Communication Module	Ethernet communication module, 10/100Mbps	DVPEN01-SL	
	DeviceNet master communication module, 500Kbps	DVPDNET-SL	
	CANopen master communication module, 1Mbps	DVPCOPM-SL	
	PROFIBUS DP slave communication module, 12Mbps	DVPPF02-SL	
	RS-485/RS-422, serial communication module, 460Kbps	DVPSCM12-SL	
	BACnet MS/TP Slave communication module, 460Kbps	DVPSCM52-SL	
Remote I/O Module	RS-485 remote I/O module, connectable to DVP-S series I/O modules	RTU-485	
	Ethernet remote I/O module, connectable to DVP-S series I/O modules	RTU-EN01	
	DeviceNet remote I/O module, connectable to DVP-S series I/O modules	RTU-DNET	
	PROFIBUS remote I/O module, connectable to DVP-S series I/O modules	RTU-PD01	
	CANopen remote I/O module, connectable to DVP-S series I/O modules	RTU-CN01 <sup>*1</sup> 	
	EtherCAT remote I/O module, connectable to DVP-S series I/O modules	RTU-ECAT <sup>*1</sup> 	
Remote Temperature Control Module	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0~10V, 0~20mA, 4~20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1 °C</li> <li>4 points of NPN transistor output: 24V<sub>DC</sub>/300mA</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TKN-S	
	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0~10V, 0~20mA, 4~20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1 °C</li> <li>4 points of relay output: 24V<sub>AC</sub>/3A</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TKR-S	
	<ul style="list-style-type: none"> <li>2 points of universal analog input: 0~10V, 0~20mA, 4~20mA; Thermocouple: J, K, R, S, T, E, N, B, C, L, U, TXK, PLII; RTD: Pt100, JPt100, Pt1000, Cu50, Cu100, Ni100, Ni1000, LG-Ni1000</li> <li>Resolution: analog 16-bit; Sensor: 0.1 °C</li> <li>2 points of analog output: 0~10V, 0~20mA, 4~20mA</li> <li>Output point: built-in PID program control/manual control</li> </ul>	DVP02TKL-S	

\*1. Please contact our distributors for release date

## Communication Converter

Product Name	Description	Model Name	Certificates
Converter	USB to RS-485 converter	IFD6500	
	USB to CAN converter	IFD6503	
	USB to RS-485 converter	IFD6530	
	EtherNet/IP, Modbus TCP to RS-232,RS-485 converter	IFD9506	
	DeviceNet to RS-232/485 converter	IFD9502	
	CANopen to RS-232/485 converter	IFD9503	
	RS-232 to RS-422/485 isolated converter	IFD8500-A	
	RS-485 to RS-422 isolated repeater	IFD8510-A	
	RS-422/485 to RS-232 addressable isolated converter	IFD8520	
	Bluetooth (BLE) to RS-485 converter	IFD8540 <sup>*1</sup> 	

\*1. Please contact our distributors for release date