

OMRON

Expansion units

8-point input

Item	Specifications	
	XWT-ID08	XWT-ID08-1
Internal I/O common	NPN	PNP
I/O capacity	8 inputs	
ON voltage	15 VDC min. (between each input terminal and the V terminal)	15 VDC min. (between each input terminal and the G terminal)
OFF voltage	5 VDC max. (between each input terminal and the V terminal)	5 VDC max. (between each input terminal and the G terminal)
OFF current	1.0 mA max.	
Input current	At 24 VDC: 6.0 mA max./input At 17 VDC: 3.0 mA max./input	
ON delay	1.5 ms max.	
OFF delay	1.5 ms max.	
Number of circuits per common	8 inputs/common	
Communications power supply current consumption	5 mA	
Weight	80 g max.	

16-point input

Item	Specifications	
	XWT-ID16	XWT-ID16-1
Internal I/O common	NPN	PNP
I/O capacity	16 inputs	
ON voltage	15 VDC min. (between each input terminal and the V terminal)	15 VDC min. (between each input terminal and the G terminal)
OFF voltage	5 VDC max. (between each input terminal and the V terminal)	5 VDC max. (between each input terminal and the G terminal)
OFF current	1.0 mA max.	
Input current	At 24 VDC: 6.0 mA max./input At 17 VDC: 3.0 mA max./input	
ON delay	1.5 ms max.	
OFF delay	1.5 ms max.	
Number of circuits per common	16 inputs/common	
Communications power supply current consumption	10 mA	
Weight	120 g max.	

8-point output

Item	Specifications	
	XWT-OD08	XWT-OD08-1
Internal I/O common	NPN	PNP
I/O capacity	8 outputs	
Rated output current	0.5 A/output, 2.0 A/common	
Residual voltage	1.2 V max. (0.5 A DC, between each output terminal and the G terminal)	1.2 V max. (0.5 A DC, between each output terminal and the V terminal)
Leakage current	0.1 mA max.	
ON delay	0.5 ms max.	
OFF delay	1.5 ms max.	
Number of circuits per common	8 outputs/common	
Communications power supply current consumption	5 mA	
Weight	80 g max.	

16-point output-point

Item	Specifications	
	XWT-OD16	XWT-OD16-1
Internal I/O common	NPN	PNP
I/O capacity	16 outputs	
Rated output current	0.5 A/output, 4.0 A/common	
Residual voltage	1.2 V max. (0.5 A DC, between each output terminal and the G terminal)	1.2 V max. (0.5 A DC, between each output terminal and the V terminal)
Leakage current	0.1 mA max.	
ON delay	0.5 ms max.	
OFF delay	1.5 ms max.	
Number of circuits per common	16 outputs/common	
Communications power supply current consumption	10 mA	
Weight	120 g max.	

Ordering information**IO-Link master unit**

Description	Specifications	Model
8-port IO-Link master unit	M12 Smartclick connector, IP67 protection degree	GX-ILM08C

Note: For more detailed information about IO-Link master unit, refer to "IO-Link master datasheet (I191E-EN)".

Digital I/O

Description	Specifications	Model
16-point NPN input	24 VDC, 6 mA, 1-wire connection, expandable with one XWT unit	GX-ID1611
16-point PNP input	24 VDC, 6 mA, 1-wire connection, expandable with one XWT unit	GX-ID1621
16-point NPN output	24 VDC, 500 mA, 1-wire connection, expandable with one XWT unit	GX-OD1611
16-point PNP output	24 VDC, 500 mA, 1-wire connection, expandable with one XWT unit	GX-OD1621
8-point input and 8-point output, NPN	24 VDC, 6 mA input, 500 mA output, 1-wire connection	GX-MD1611
8-point input and 8-point output, PNP	24 VDC, 6 mA input, 500 mA output, 1-wire connection	GX-MD1621
16-point NPN input	24 VDC, 6 mA, 3-wire connection	GX-ID1612
16-point PNP input	24 VDC, 6 mA, 3-wire connection	GX-ID1622
16-point NPN output	24 VDC, 500 mA, 3-wire connection	GX-OD1612
16-point PNP output	24 VDC, 500 mA, 3-wire connection	GX-OD1622
8-point input and 8-point output, NPN	24 VDC, 6 mA input, 500 mA output, 3-wire connection	GX-MD1612
8-point input and 8-point output, PNP	24 VDC, 6 mA input, 500 mA output, 3-wire connection	GX-MD1622
16-point relay output	250 VAC, 2 A, 1-wire connection, expandable with one XWT unit	GX-OC1601

Analog I/O

Description	Specifications	Model
4-channel analogue input, current/voltage	10 V, 0 to 10 V, 0 to 5 V, 1 to 5 V, 4 to 20 mA	GX-AD0471
2-channel analogue output, current/voltage	10 V, 0 to 10 V, 0 to 5 V, 1 to 5 V, 4 to 20 mA	GX-DA0271

Encoder input

Description	Specifications	Model
2 encoder open collector inputs	500 kHz Open collector input	GX-EC0211
2 encoder line-driver inputs	4 MHz Line driver input	GX-EC0241

Expansion units

Description	Specifications	Model
8-point NPN input expansion unit	24 VDC, 6 mA	XWT-ID08
8-point PNP input expansion unit	24 VDC, 6 mA	XWT-ID08-1
8-point NPN output expansion unit	24 VDC, 500 mA	XWT-OD08
8-point PNP output expansion unit	24 VDC, 500 mA	XWT-OD08-1
16-point NPN input expansion unit	24 VDC, 6 mA	XWT-ID16
16-point PNP input expansion unit	24 VDC, 6 mA	XWT-ID16-1
16-point NPN output expansion unit	24 VDC, 500 mA	XWT-OD16
16-point PNP output expansion unit	24 VDC, 500 mA	XWT-OD16-1

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Company: [PLC ProTech Ltd.](#)
Website: www.plcprotech.com
Email: sales@plcprotech.com
Phone: +86 180 4631 7198

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