

# XEM-DN16H2 Cut Sheet



LS Electric XGB PLC, 24 VDC required, Ethernet, serial and USB B ports, Discrete Input: 8-point, DC, Discrete Output: 8-point, sinking, 4 high-speed input point(s), 2 high-speed output point(s).

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/XEM-DN16H2>

## Technical Specifications

<b>Brand</b>	LS Electric XGB	<b>Nominal Output Voltage</b>	12-24 VDC
<b>Item</b>	PLC	<b>Discrete Output Type</b>	Sinking
<b>Total Memory</b>	544 KB	<b>Load Current</b>	(2) 0.1A/point, (6) 0.5A/point
<b>Program Memory</b>	384 KB	<b>Number of Non-Isolated Discrete Output Commons</b>	1
<b>User Data Memory</b>	160 KB	<b>Number of Points per Discrete Output Common</b>	8
<b>Programming Language</b>	IEC 61131-3 ladder, structured text, sequential function chart and instruction list	<b>Maximum Switching Frequency</b>	200 kHz
<b>Programming Software</b>	XG5000 programming software v4.77 or later	<b>Maximum Number of PID Loops</b>	16
<b>Communication Port and Connection Type(s)</b>	<ul style="list-style-type: none"><li>• (1) Ethernet 10/100Base-T (RJ45)</li><li>• (1) RS-232/RS-485 (5-pin terminal)</li><li>• (1) miniB-USB</li></ul>	<b>Number of High-Speed Capable Input Points</b>	4
<b>Port Protocol(s)</b>	<ul style="list-style-type: none"><li>• Modbus RTU Master/Slave</li><li>• Modbus ASCII Master/Slave</li><li>• Modbus TCP Client/Server</li><li>• LS XGT protocol Client/Server</li><li>• programming and monitoring</li></ul>	<b>High-Speed Counter(s)</b>	<ul style="list-style-type: none"><li>• up to (4) up counters</li><li>• up to (4) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li></ul>
<b>Port Speed(s)</b>	<ul style="list-style-type: none"><li>• 10/100 Mbps</li><li>• up to 115.2k baud</li></ul>	<b>Frequency Measurement</b>	<ul style="list-style-type: none"><li>• up to (4) up counters</li><li>• up to (4) down counters</li><li>• up to (2) up/down counters</li><li>• up to (2) pulse/direction (bi-directional) counters</li><li>• up to (2) quadrature (A and B) counters</li></ul>
<b>Real Time Clock/Calendar</b>	Yes	<b>Interrupt(s)</b>	<ul style="list-style-type: none"><li>• up to (16) cycle time interrupts</li><li>• up to (8) external input interrupts</li><li>• up to (16) internal device interrupts</li><li>• up to (4) high-speed counter interrupts</li><li>• up to (1) positioning interrupt</li></ul>
<b>Retentive Memory</b>	Yes	<b>Number of High-Speed Capable Output Points</b>	2
<b>Battery Backup</b>	No	<b>Output Pulse Mode(s)</b>	up to (2) PTO pulse/direction outputs
<b>Maximum Expansion Modules Allowed</b>	7		
<b>External Power Requirement</b>	24 VDC		
<b>Number of Discrete Input Points</b>	8		
<b>Nominal Input Voltage</b>	24 VDC		
<b>Voltage Type</b>	DC		
<b>Discrete Input Type</b>	Sinking/sourcing		
<b>Number of Non-Isolated Discrete Input Commons</b>	1		
<b>Number of Points per Discrete Input Common</b>	8		
<b>Frequency Response</b>	200 kHz		
<b>Number of Discrete Output Points</b>	8		

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<b>Axis Profile(s)</b>	<ul style="list-style-type: none"><li>• relative/absolute positioning</li><li>• velocity mode</li><li>• trapezoid</li><li>• S-curve</li><li>• electronic gearing</li><li>• camming</li><li>• following</li><li>• homing</li><li>• jogging</li><li>• inching</li><li>• teach functions</li><li>• linear interpolation</li><li>• ellipse interpolation</li><li>• helical interpolation</li><li>• software limit switches</li><li>• online edit</li><li>• x-y trend view</li></ul>
<b>Includes</b>	I/O terminal blocks, 3-wire power cable and 5-pin serial communication terminal block
<b>Dangerous Goods</b>	<ul style="list-style-type: none"><li>• Battery Installed: Yes (not user replaceable)</li><li>• Packaging Instructions: 970</li><li>• UN Number: UN3091</li><li>• Hazard Type: Lithium Batteries</li><li>• Battery Type: Coin</li><li>• Lithium Content: 0.01</li></ul>

## Agency Approvals

<b>UL Listed File #</b>	E124950
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CE</b>	<a href="#">View CE declarations</a>
<b>CSA File #</b>	None
<b>RoHS Status</b>	Yes (See CE Doc)
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/2d/XEM-DN16H2.pdf>  
See store item page for other formats.