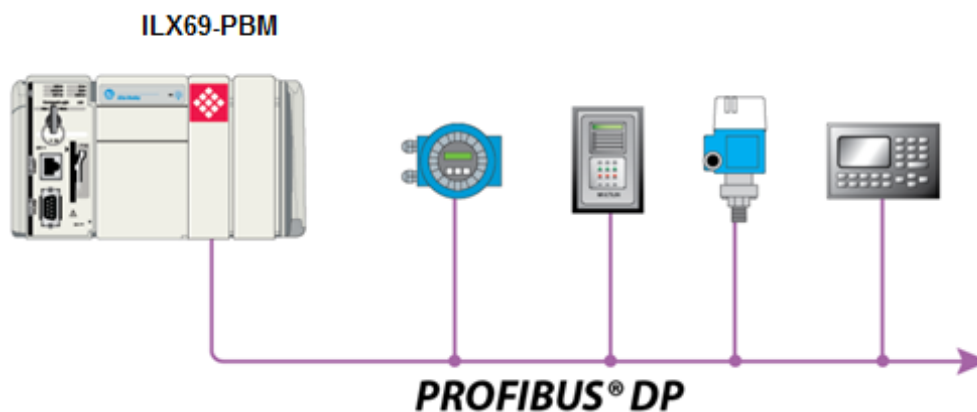


DATASHEET

PROFIBUS DPV1 Master for CompactLogix ILX69-PBM

The ILX69-PBM PROFIBUS DPV1 Master module provides all the advantages of in-chassis PROFIBUS communication, such as the inclusion of an AOI and the Autoscan features which greatly reduce your commissioning time, and ComDTM that provides remote Ethernet connectivity with asset management software.

With these modules, CompactLogix™ processors can easily communicate with slave devices supporting PROFIBUS DPV0 and DPV1 protocol. The module acts as an input/output module between the PROFIBUS network and the processor supporting complete Master specifications according to IEC 61158.



Features

- ◆ **AOI:** Module communication is integrated within Studio/RSLogix 5000 using a sample Add-On Instruction (AOI), or sample ladder logic file, reducing commissioning time.
- ◆ **Autoscan:** The new Autoscan feature reduces start up times and simplifies troubleshooting by scanning the PROFIBUS network and uploading slave device addresses and configuration information. (Reads and maps nodes automatically to the module.)
- ◆ **ComDTM:** Allows remote Ethernet connectivity with Asset Management Software significantly lowering maintenance costs. You can configure, commission, maintain and diagnose your fieldbus devices throughout their entire lifecycle with this comprehensive, fully integrated engineering and maintenance environment.
- ◆ SD card slot (SD card optional) is used for storing configuration files in the event of a disaster. It can also be used to update the firmware of the module without the need of a 1769 CPU.

PROFIBUS DP Specifications

Specification	Description
Slaves	Maximum 125
Input/Output	Maximum 244 Bytes per Slave
Input Data	Maximum 5712 Bytes
Acyclic Data	DPV1
Status data	88 Bytes
Output data	Maximum 5760 Bytes
DPV1 Services	Class 1 Read/Write Class 1 Alarm Class 2 Initiate/Read/Write/Data transport/Abort
Services	Global-Control, Slave-Diagnostic, Set-Parameter
Sync, Freeze Command	Supported
Baud rate	9.6 kBaud, 19.2 kBaud, 45.45 kBaud, 93.75 kBaud, 187.5 kBaud, 500 kBaud 1.5 MBaud, 3 MBaud, 6 MBaud, 12 MBaud Auto-detection mode is supported

Hardware Specifications

Specification	Description
PROFIBUS Interface	RS-485, max. 12 Mbps, potential free, according EN 50170
Diagnostic Interface	10/100 Ethernet, RJ45
Power Supply	+5 V \pm 5 % / 570 mA
Max. Distance Rating	2 slots
Dimensions	Standard 1769 Single-slot module
Burst	EN 61000-4-4, 2 kV, 5 kHz
Surge	EN 61000-4-5, 2 kV common mode, 1 kV differential mode
ESD	EN 61000-4-2, 4 kV contact, 8 kV air, 4 kV indirect
Radiated/Conducted Immunity	EN 61000-4-3, 10 V/m, 30...1000 MHz, 80% AM, 1 kHz sine wave EN 61000-4-6, 10 V, 0,15...30 MHz
Radiated/Conducted Emission	EN 55011 Class A
Vibration/Shock	IEC 600068-2-6, 10-150 Hz, \pm 0,75 mm, \pm 1 g, 1 Octave/min IEC 600068-2-27, 15 g, 11 ms
Operating Temperature	0°C to 60°C (32°F to 140°F)
Relative Humidity	5 to 95% (non-condensing)
PROFIBUS conformance	Certified

Agency Approvals and Certifications

PROFIBUS PI Certified (pending)
CE Mark
UL/cUL Class 1 Div 2
ATEX Zone 2
CB Safety



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Ordering Information

To order this product, please use the following:

PROFIBUS Master Network Interface Module for CompactLogix

ILX69-PBM

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