SST™-PB3M-CPX Master Modules for PROFIBUS®

SST™-PB3M-CPX Master Modules connect Rockwell Automation CompactLogix L2, L3 and L4 controllers to PROFIBUS® DP-V0, DP-V1 networks, enabling high-performance, low-cost solutions for industrial automation applications.

Features and Benefits

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefit</th>
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</thead>
<tbody>
<tr>
<td>Software configured as PROFIBUS® Master</td>
<td>Delivers a flexible design. Easy to configure. No ladder logic required</td>
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<tr>
<td>10/100 Mb Ethernet port</td>
<td>Enables fast downloads, remote connections/monitoring. Provides backplane or front-module configuration options. Accommodates low-cost cable</td>
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<tr>
<td>Up to 1,984 input bytes and 1,968 output bytes per Master</td>
<td>Suitable for large PROFIBUS networks</td>
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<td>PROFIBUS Master capability</td>
<td>Provides a low-cost module</td>
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<tr>
<td>MicroSD card slot (8 GB MicroSD card included)</td>
<td>Facilitates easy module swap-out</td>
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<tr>
<td>MTBF of 181 years</td>
<td>Presents reliable, trouble-free usage</td>
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</table>

Applications

- Marine
- Packaging
- Agro-Food
- Mining
- Harsh automotive
**Specifications**

**Description**
- LINK, SPEED, SD, OK, STATE, FAULT LEDs provide 29 visual fault/state indications.
- Changes to PROFIBUS* configuration with PLC in RUN mode.
- Autoscan network supported.
- Support multiple modules in rack.
- Supports CompactLogix† L2 and L3 processor, rev. 15 and higher, L4 rev. 20 and higher.
- Master, 1,984 Input Bytes, 1,968 Output Bytes.
- One 10/100 Mb/s Ethernet port, RJ-45, configuration and diagnostics.
- Firmware upgradeable.

OS supported: Windows XP, 7 (32, 64-bit); Vista, 8 (32, 64-bit).

Operating Temperatures: 0 to 60°C.

Storage Temperatures: -40 to 85°C.

Relative Humidity: 5 to 95%, non-condensing.

Acyclic communications (DPV1), Read and Write.

One PROFIBUS port, DB9 female, Galvanic isolation 1000V.

PROFIBUS speed: 9.6 Kbps up to 12 Mbps.

MTBF: 181 years at 25°C.

Maximum 125 Slaves supported.

Maximum Distance Rating: 4 slots.

Status data: 250 words.

**Included Hardware/Software**
- One, SST™-PB3M-CPX PROFIBUS Master Module.
- One, 8 GB MicroSD card.
- One, Product CD (engineering tools, configuration console).

**Compatible Protocols**
- Master DP-V0 Class-1 and Class-2.
- Master DP-V1 Class-1 and Class-2.

**Comformance**
- RoHS compliant.
- CE Certified.
- Ex (ATEX).
- FCC.
- Korea CC.
- UL Class I Div 2 Groups A, B, C, D.
- PI Certified.

**Ordering Information**

<table>
<thead>
<tr>
<th>Order No.</th>
<th>Product Name</th>
<th>Module Description</th>
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<tbody>
<tr>
<td>112016-0030</td>
<td>SST-PB3M-CPX</td>
<td>SST™ PROFIBUS* Master Communication Module for Rockwell Automation CompactLogix, includes Remote Link Library</td>
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</tbody>
</table>

**PROFIBUS* Master Module, SST-PB3M-CPX, Networking Capabilities Diagram**

*PROFIBUS is a trademark of PROFIBUS International.

†CompactLogix is a registered trademark of Rockwell Automation, Inc.

[www.molex.com/link/sstcommunicationmodules.html](http://www.molex.com/link/sstcommunicationmodules.html)