

SST™-PB3M-CPX Master Modules for PROFIBUS*

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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

Software configured as PROFIBUS* Master

Delivers a flexible design. Easy to configure. No ladder logic required

10/100 Mb Ethernet port

Enables fast downloads, remote connections/monitoring. Provides backplane or front-module configuration options. Accommodates low-cost cable

Up to 1,984 input bytes and 1,968 output bytes per Master

Suitable for large PROFIBUS networks

PROFIBUS Master capability

Provides a low-cost module

MicroSD card slot (8 GB MicroSD card included)

Facilitates easy module swap-out

MTBF of 181 years

Presents reliable, trouble-free usage

Applications

Marine
Packaging
Agro-Food
Mining
Harsh automotive



SST™-PB3M-CPX
PROFIBUS* Master Module



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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

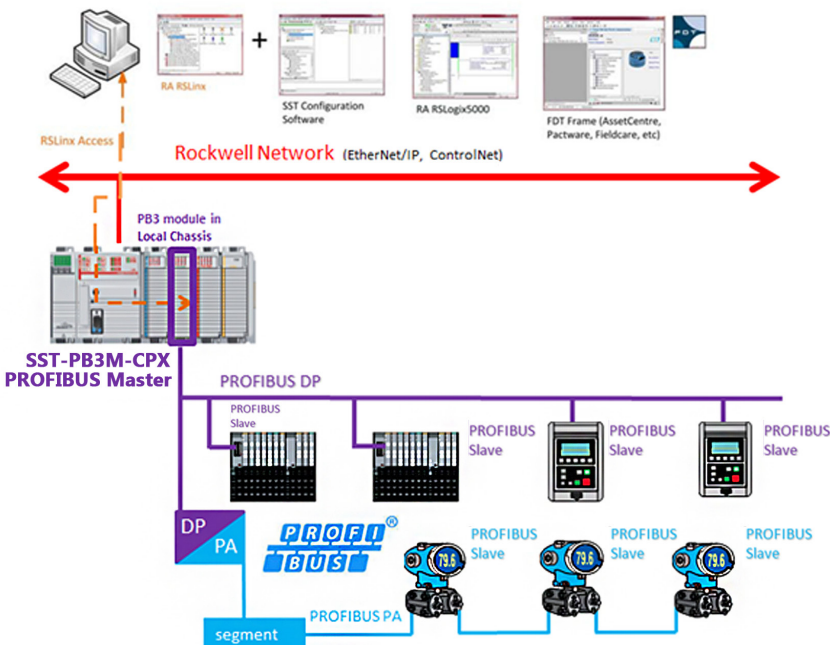
Conformance

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

Ordering Information

Order No.	Product Name	Module
112016-0030	SST-PB3M-CPX	SST™ PROFIBUS* Master Communication Module for Rockwell Automation CompactLogix, includes Remote Link Library

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