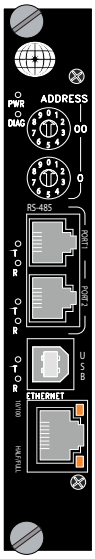
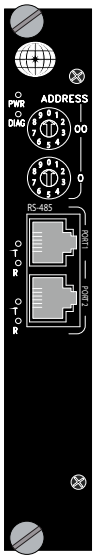
MERIDIAN TECHNOLOGIES

SX-PC-M SX-PC-E

Master and Expansion Diagnostic Cards



SX-PC-M
Master Card



SX-PC-E
Expansion Card

FEATURES

- Hardware interface card to Meridian's PC-based SpectraSmart software.
- Generates software alarms classified by the severity of the fault condition
- All associated card/channel monitoring parameters are controlled remotely via SpectraSmart software.
- Front panel mounted LEDs provide local indication of card monitoring status.

DESCRIPTION

The SX-PC-M and SX-PC-E are Master and Expansion (Slave) one slot diagnostic cards that interface with Meridian's PC based SpectraSmart software and diagnostic-equipped signal cards. The master card interfaces to the host PC via USB or Ethernet ports and to the expansion card via RS-485 bus.
In the unlikely event of system or local faults in the associated signal cards, SpectraSmart software will generate an alarm identifying the fault and its location. In addition, SpectraSmart will indicate suggested actions to remedy the alarm situation.

These cards add a level of remote system monitoring and protection previously unavailable in similar systems.

CONFIGURATIONS

The SX-PC-M and SX-PC-E products are available as rack mount cards that can be installed the following Meridian chassis: SR-1002, SR-1350, SR-1450, SR-1600, SR-1850. This system can be used in conjunction with Meridian's smart 19" rack frames.

MARKETS

√ Security and Surveillance
√ Intelligent Transportation System (ITS)
√ Access Control Systems
√ Campus Lecture Networks

SPECIFICATIONS:

Interface

Master card connects to a host PC via USB or Ethernet ports and to Expansion cards via RS-485 bus.
Signal cards require the diagnostic firmware upgrade.

Indicators (LEDs)

1 - Green	Power On
1 - Bi-color	Self-diagnostic (Green-OK / Red-ERROR)
1 - Green	Ethernet 10/100
1 - Amber	Ethernet Half/Full
2 - Green	Tx Data Activity RS-485
2 - Green	Rx Data Activity RS-485
2 - Green	Tx/Rx Data Activity USB

Data

Formats	RS-485
Data Rate	38.4 Kb/s
Ethernet interface	10/100 Base-T

Physical

Dimensions (Card)	20 (W) x 127 (H) x 160 (D) mm
	(0.8 x 5.0 x 6.3 inch)
Weight (Card)	450 gms (16 Oz)
No. of Slots	1

Connectors

Host Connection	USB or Ethernet socket
Expansion Card Connection	2 x RJ45

Environmental

Operating Temperature	-34°C to +74°C
Storage Temperature	-55°C to +85°C
Relative Humidity	0 to 95% Non-condensing

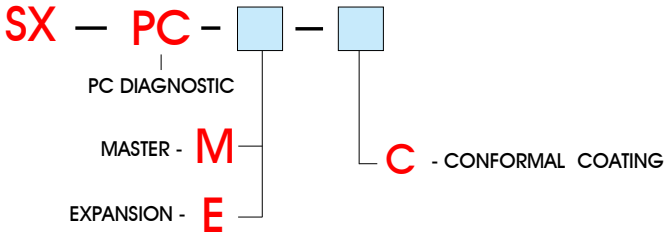
Power

Card	5 Watts

Quality

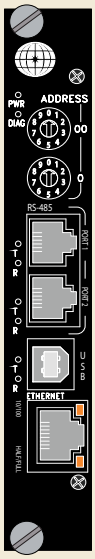
MTBF	>170,000 hours @ Ground Fix
	35°C per MIL217F

Part Numbers:



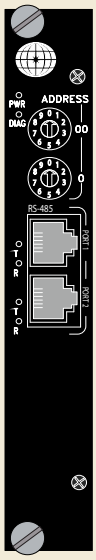
PC COMPUTER

REMOTE CONNECTION via ETHERNET PORT
OR
LOCAL CONNECTION via USB PORT



SX-PC-M
Master Card

RS-485



SX-PC-E
Expansion Card

Meridian Technologies Inc.
700 Elmont Road. •Elmont, NY 11003 • 516. 285. 1000 • FAX 516. 285. 6300 • E-mail sales@meridian-tech.com
www.meridian-tech.com

ver 12/2014 E