

High Performance Electrical/Optical Subsystem



SX4 Mini
Subsystem



SX51-01
Subsystem



SX51-02 Data
Subsystem

OVERVIEW of Technologies and Characteristics:

- Uncompressed full DVI/HDMI™, on only one Multi-Mode Fiber (50/62.5 µm)
- High speed channel (4x unidirectional) with 1.65Gb/s or 3.4Gb/s each
- Optional "Low" speed channel (1x bidirectional) with 5Mb/s (SX51-01)
- Data module offers High-speed bidirectional (155, 622, 1,250 Mb/s) (SX51-02)
- Ready for data: DVI, HDMI™, CML, PECL, LVDS
- Easy and flexible to design-in (short period)
- Optical budget up to 1,800m on one MMF
- Includes driver for laser and TIA and limiting amplifier
- Temperature range 0° to 65°C
- High reliability: Estimated MTTF >10years
- Evaluation-Boards with specification sheet and application information available
- Based on CWDM-Technology
- High data protection based on high integration technology
- Highest integration on the smallest footprint
- Patented, stable and sophisticated technology based on long term experience
- Power consumption as low as 0.6 W
- ROHS Compliant

Electrical / Optical Subsystems

Extensive Range of Applications

Broadcasting	Extender, Matrix, KVM, Displays, etc
Medical	X-Ray, MRT, MRI, Endoscope, etc
Industrial	Machine, Production, Office, Airports, Harbors, etc
Transportation	Airplane, Subway, Trains, etc
Infotainment / Digital Signage	Hotel, Shopping Malls, Infoboards, etc
Cable Networks	Access Units, Last Mile, etc
Data Center	High-speed Data Networks
Research Center	High-radiation / High-EMF environments, Secure Systems, Reliable Networks, Secure KVM
Smart Home	Home Theater, Central control, etc
Security	HD-SDI Camera, Matrix, Converter, etc

Made in the United States of America

By OMRON Network Products LLC

Headquartered in Pleasanton, California

- Research, Development and Production
- Sales & Support in US, Europe (Germany) and Asia

Our Commitment

We will provide detailed information & support, fast quotations with fair pricing, high reliability products, world class collaboration and partnership, local onsite support, and customized products for your applications.

Specifications and appearance are subject to change without notice for purposes of improvement. OMRON® is a registered trademark of Omron Corporation.

Complete "Terms and Conditions of Sale" for product purchase and use are on Omron's website at <http://www.components.omron.com> - under the "About Us" tab, in the Legal Matters section.

SB_ONP-01A

©2012 Omron Electronic Components LLC, Printed in U.S.A.
10/2012



CONTACT US TODAY!!

OMRON ELECTRONIC COMPONENTS LLC

55 Commerce Drive, Schaumburg, IL 60173 U.S.A.

Phone: 847-882-2288

www.components.omron.com

OMRON
ELECTRONIC COMPONENTS