

3Gb x 36-port Serial Attached SCSI (SAS) Expander

General Description:

The MSKL SASR-36X is a 36-port, 3 Gigabit Serial Attached SCSI (SAS) Expander. This expander provides large storage environments the ability to connect multiple targets and initiators through a switched device for scalability and fault tolerant path redundancy to improve reliability. The MSKL SASR-36X SAS expander is compliant with the ANSI SAS specification and supports both SAS and SATA I/II devices. SAS benefits include improved performance, simplified cabling with the miniSAS connectors (iPASS), and lower power requirements.

SAS Expander Features:

- 36 fully independent SAS and SATA ports
- Supports SSP, SMP, and STP target and initiator
- Supports multiple data rates and auto negotiation
 - 1.5Gb/s and 3.0Gb/s SAS and SATA
- Provide low latency connection router with crossbar module to efficiently create and maintain connections
- LEDs indicate SAS Port Activity
- Allows concurrent connections to SAS or SATA targets
- Programmable a scalable interface that supports up to 1024 SAS addresses
- Supports wide and narrow port configurations
- Phy-based zoning for system security
- Includes high performance active cooling higher system reliability

STP/SATA Features:

- Supports SATA/STP data transfers of 1.5Gb/s and 3.0Gb/s
- Allows addressing of multiple SATA targets
- Allows multiple initiators to address a single target

SMP Features:

- Decodes SMP packets that are destined for the expander
- Performs CRC checking and generation on the request frames and response frames



MSKL SASR-36X

Specifications:

- **Size:** 1.72 x 17 x 16 inches, Fits a 1U 19" rack
- **Weight:** 12.5 lbs.
- **Power:** 20 watts, 100-240 VAC @ 50/60Hz
- **Data Connectors:**
 - 9 x SFF-8088 (miniSAS/iPass)
 - Parallel port (DB25) connector
- **Throughput:**
 - Up to 3.0Gb/s per Phy for SAS
 - Up to 3.0Gb/s per Phy for SATA
- **Environments:**
 - Operating Temperature: 0 - 50°C
 - Relative Humidity: 5-95% (non-condensing)
 - Altitude: 3000 meters

Applications:

The MSKL SASR-36X can be used to attach initiators to SAS/SATA devices in SAS Edge/Fanout topologies to increase the number of accessible devices, or in fault tolerant redundancy topologies to improve system reliability. The expander is capable of addressing up to 1024 devices.



Wiesbadenerstraße 5a D-65232 Taunusstein

Tel.: + 49 – 6128 – 23044 o. 45 Fax: + 49 – 6128 – 21478

Email: vertrieb@mskl.de Web: <http://www.mskl.de>