



---

## VME64/RACEway Fibre Channel Interface FC-1930

---



The Myriad Logic FC-1930 is an intelligent 100 Mbyte/second ANSI-standard Fibre Channel (FC) controller for VME64 and RACEway systems. Designed to interconnect high-throughput, real-time systems, RAIDs, and general purpose computers the FC-1930 is capable of sustaining data transfer rates up to 90 Mbytes/second. Compatibility with the widest range of other FC equipment is provided through use of the HP Tachyon FC controller and Gigabit Link Modules (GLMs). FC Class 1 and 2 operation is supported in arbitrated loop, point-to-point, or switched systems.

### Features

- Sustained transfer rates:
  - 90 Mbytes/second - RACEway / FC
  - 45 Mbytes/second - VME64 / FC
- Software support for SCSI3 RAID and system-to-system operation
- Arbitrated loop and point-to-point connections
- Multi-mode or single-mode fiber options
- Burst transfer rates:
  - 160 Mbytes/second - RACEway
  - 1.0625 Gbit/second - Fibre Channel
- FC Class 1 and 2 compliant
- On-board 68040 control processor providing high-level applications program interface
- Single 6u x 160 mm form factor

---

### Product Description

The Myriad Logic model FC-1930 is a high-performance single-board Fibre Channel (FC) adapter for VME and RACEway systems. Optimized for real-time applications requiring high bandwidth and low latency the FC-1930 provides a fully programmable, ANSI-compliant interface capable of supporting sustained 90 Mbyte/second transfers. The FC-1930 is compatible with FC Class 1 and 2 operation and is designed to connect high-performance real-time VME/RACEway systems to RAIDs, general purpose computers, or other real-time systems in arbitrated loop, point-to-point, or switched topologies.

The FC-1930 incorporates a 1.063 Gbit/second Gigabit Link Module (GLM) to implement FC layer 0. The GLM is replaceable allowing the FC-1930 to be configured for operation with multi-mode fiber (for transmission up to 1 km) or single-mode fiber (for transmission up to 10 km). Electrical GLMs are also available and can be used with the FC-1930.