

# Katron Technologies Inc.

## 10/100/1000Base-T to 100/1000Base-X Media Converters

### KGC-301

The media converter is designed to convert three different line rates of copper Ethernet signals to/from two line rates of fiber signals. It is used to extend the connection distance up to 70km or more between two Gigabit Ethernet devices via fiber cable transparently with no performance degradation. With the SFP connector design, the media converter not only supports existing variety of multimode and single mode fibers, but also preserves the flexibility to adapt to any change of your fiber network in the future. It also supports center chassis installation with optional power redundancy and management features when a larger fiber network deployment is required.

#### Key Features:

- Tri-speed 10/100/1000Mbps copper to dual-speed 1G/100Mbps fiber conversion
- Support full wire speed conversion
- Support jumbo frame conversion
- Provide direct conversion with shortest latency between two links in same line rates
- Support transparent conversion of any packet types with no packet modification
- Support auto-negotiation with link partners
- Provide link fault pass through function for media converter applications
- Provide SFP slot on fiber port for mounting variety of fiber options
- Support center chassis installation to achieve the advantages of central power, optional power redundancy and management

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**To be certified soon**



- **Fixed & the shortest latency conversion**
- **410ns for 1000Mbps line rate**
- **Best for CC-Link IE TSN Class A network**



Web site



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