EXAMPLE NETWORKS
Industrial Networking Solutions · Industrial-grade product documentation

TECHNICAL DATASHEET

Gigabit Media Converter Series Datasheet

PRODUCT CATEGORY · FIBER MEDIA CONVERTERS

Document	Revision	Issued	Status
EN-DS-MC-010	Rev. 1.2	2026-01	Released

Overview

10/100/1000M converter specifications. The Gigabit Media Converter Series is engineered for continuous operation in industrial and enterprise network environments, combining ruggedised hardware with the switching and optical performance required for factory-floor, utility, transportation and building-automation deployments.

Key Specifications

Standards	IEEE 802.3u, 802.3ab, 802.3z
Port Configuration	1× electrical RJ45 + 1× optical port (SC/ST/LC, single or dual fiber)
Data Rates	10/100 Mbps, 10/100/1000 Mbps and 10G models
Fiber Distance	Multi-mode up to 2 km, single-mode up to 120 km (model dependent)
Wavelength	850 nm / 1310 nm / 1550 nm, WDM bi-directional options
Features	Link Fault Pass-Through, store-and-forward, DIP-free auto-negotiation
Power Input	5–12 VDC or 12–48 VDC industrial terminal, redundant models
Operating Temperature	Commercial 0–50 °C; industrial -40 °C to +75 °C
MTBF	≥ 400,000 hours

Compliance & Environmental

- CE, FCC Part 15 Class A, RoHS and REACH compliant
- Designed and manufactured under an ISO 9001 certified quality system
- Each unit is factory burn-in tested and individually serialised
- 5-year limited warranty with advanced replacement for registered partners

Ordering Information

All models in this series are available through our authorised distribution network. Specify the exact port configuration, fibre type and operating-temperature grade when ordering. Contact datasheets@example.com · +86-10-5555-0100 for volume pricing, samples and custom OEM/ODM options. Specifications are subject to change without notice; the latest revision always supersedes prior issues.