

TECHNICAL DATASHEET

Industrial Bypass Switches Datasheet

PRODUCT CATEGORY · INDUSTRIAL SWITCHES

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Overview

Network bypass switch technical documentation. The Industrial Bypass Switches 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 802.3, 802.3u, 802.3x, 802.1Q, 802.1p, 802.1D/w/s
Port Configuration	Fast Ethernet / Gigabit Ethernet RJ45, configurable by model
Switching Capacity	Up to 20 Gbps non-blocking, store-and-forward
MAC Address Table	8 K entries, aging time 300 s
Mounting	DIN-rail 35 mm and wall mount, IP40 metal enclosure
Power Input	12–48 VDC redundant terminals, reverse-polarity protection
Operating Temperature	-40 °C to +75 °C, fanless convection cooling
Protection	6 kV surge, 4 kV EFT, 8 kV ESD, IEC 61000-4 series
MTBF	≥ 500,000 hours (Telcordia SR-332, GB25 °C)

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.