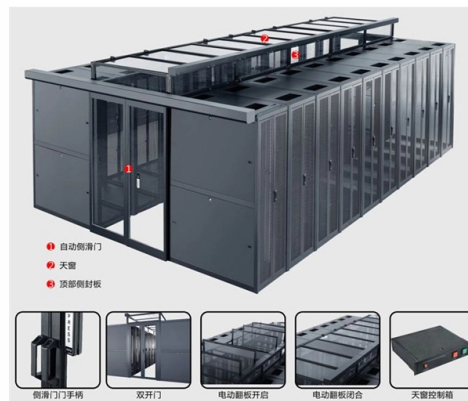


Industrial Switch Production Testing Solution



Article Overview

Automated production testing solutions for industrial switches combine intelligent loading platforms, MES integration, and performance evaluation tools to ensure high reliability and efficiency.

Automated Testing Platforms

Modern industrial switch production increasingly relies on automated test platforms. For example, FS and Siemens have implemented an Intelligent Loading Test Platform (ILTP) integrated with a Manufacturing Execution System (MES). This setup allows simultaneous testing of multiple switches (up to 16 per line) with a daily output of 400 units. The system automates switch on/off, system upgrades, license imports, and traffic testing, ensuring consistent quality and digital management of production data .

Performance Testing Methodologies

Performance testing is critical to verify switch stability and efficiency under real-world conditions. Key metrics include:

- Packet transmission rate and throughput (measured in packets per second)
 - Latency and delay for data processing
 - Packet loss rate under high load conditions
- Testing typically involves network performance analyzers and load generators to simulate complex network environm...

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In line test system

The base system can be used as a stand-alone system or being integrated in a single or multiple units providing a high throughput in

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