The Best Fit for Your Control Cabinets

A new type of switch that is smarter and simpler to set up

MOXA ®
Reliable Networks ▲ Sincere Service

What is the Smart Switch?

The SDS-3008 smart switch is the world's smallest 8-port industrial switch that can be monitored on HMI/SCADA systems, while keeping the configuration and operation easy and flexible. The slim, simple and smart design makes the smart switch the best fit for control cabinets in smart manufacturing.

Product page

3 industrial protocols
supported with one-click setup, allowing you to manage it on SCADA systems.

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2 installation options
DIN-rail and rack-mounting suitable for different types of cabinets
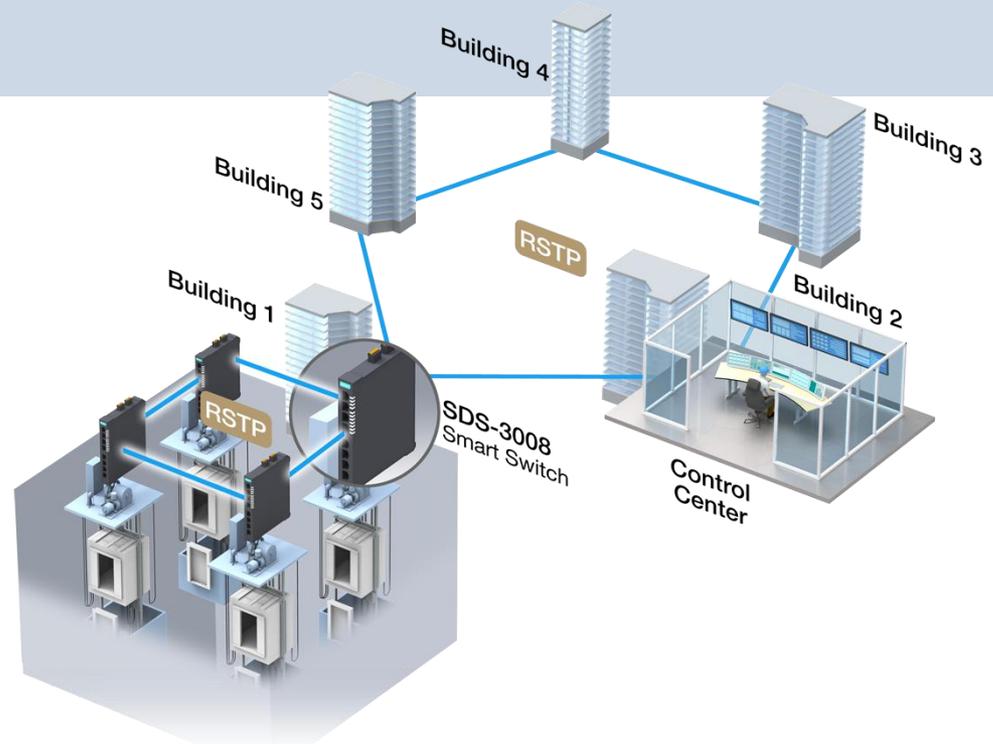
1-page dashboard
for easy navigation and setup. Supports five languages.

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PROFINET®

Modbus

EtherNet/IP™

MOXA®

Elevator

Requirements:

Switches are one of the components of an elevator system, but many elevator site service engineers have a mechanical background and don't have much knowledge about switches or networks. Therefore, when the engineers visit the site, if installing the switch or performing maintenance requires minimal technical knowledge, this will allow the process to be quicker. In addition, remote monitoring to allow users to see the site status from a central location is often requested in order to reduce unscheduled calls.
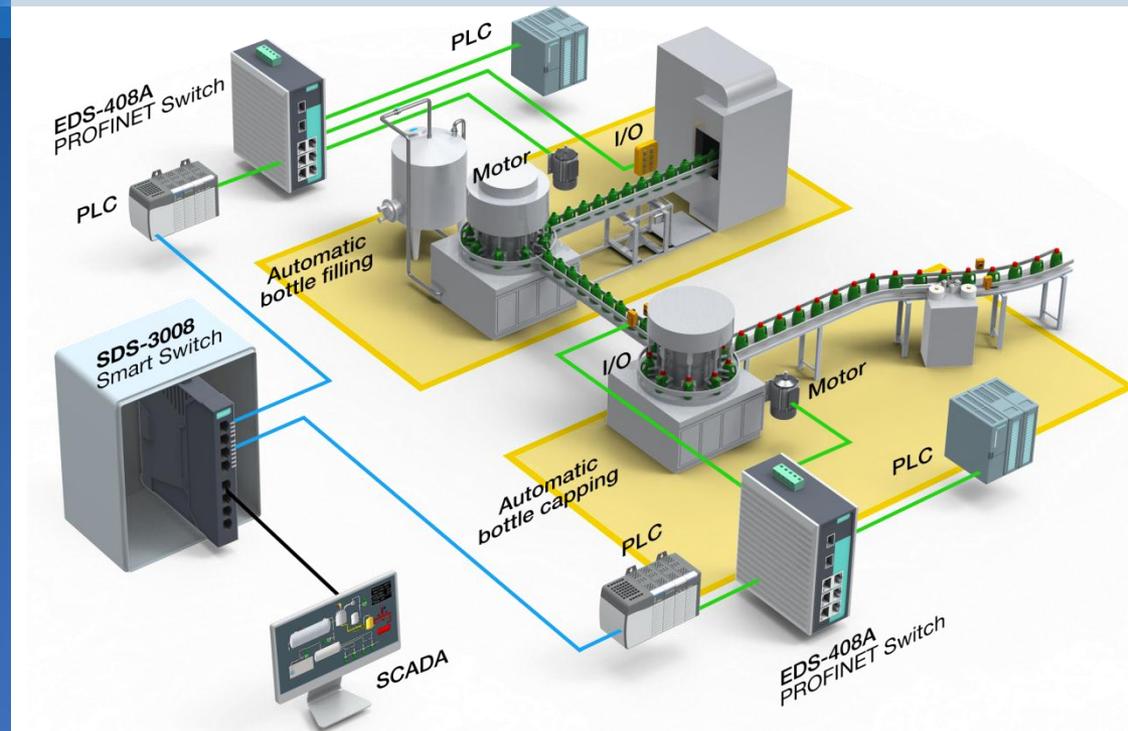

Smart Switch Benefits

- The smart switch's UI (intuitive user interface) simplifies device configuration and management.
- The slim size and DIN-rail mounting options make it suitable for cabinet installation, and easier for engineers to prepare spare parts for different types of cabinet.
- Supports one-click configuration of EtherNet/IP, PROFINET, and Modbus/TCP to achieve fast configuration and flexible deployment.
- Supports ABC-02 automatic backup configurator for quick event logging and configuration backup.

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Bottling

Requirements:

When building a network for a bottling plant that includes an automatic bottle filling process line running on the PROFINET protocol it is advisable to deploy PROFINET-enabled switches to allow engineers to see the data and the networks on the SCADA system. A deployment of this type ensures more reliable plant operations. In addition, quick and simplified SCADA integration speeds up troubleshooting and reduces system downtime.
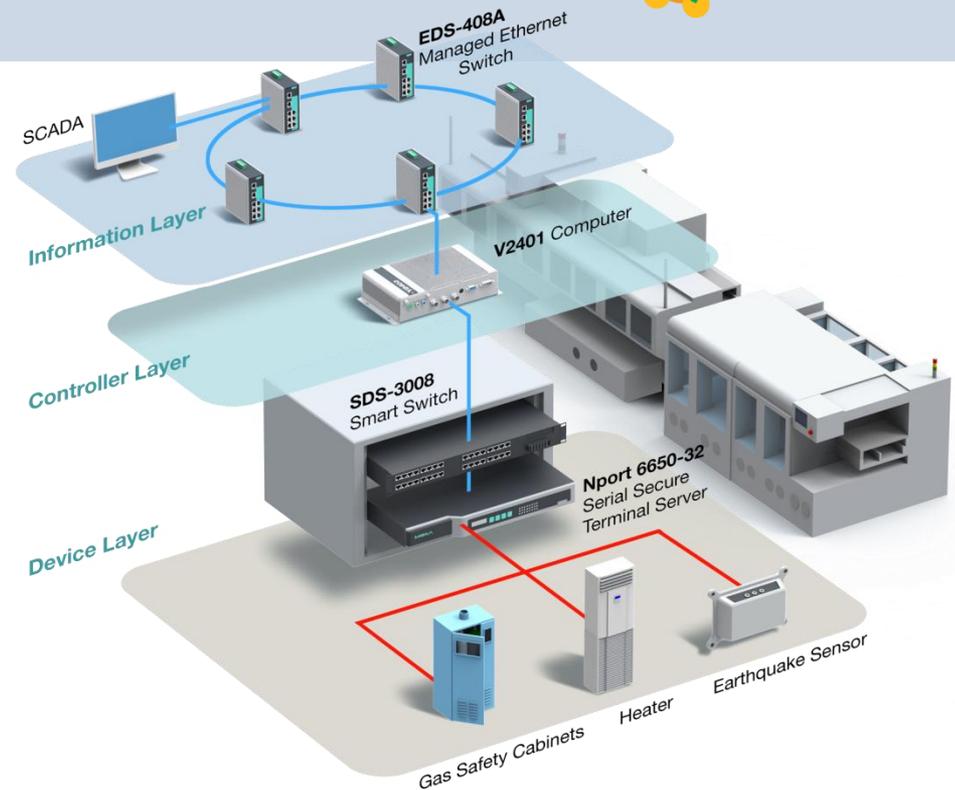
Why Smart Switch?

- Supports the profile-based PROFINET protocol, which enables fast deployment, saving time and effort.
- A compact and flexible housing design to fit into confined spaces, such as control cabinets.
- Supports RSTP/STP for network redundancy.

FMCS

Requirements:

Facility management and control systems (FMCSs) are built to collect critical field data and ensure a smooth production process. For example, semiconductor manufacturers would install sensors to detect the status of the assets and environmental conditions and enable big data analytics. Ensuring data integrity and precise decision making requires a reliable network for data to be transmitted to the control center for monitoring and analysis. For the plant floor, Modbus TCP is the most common protocol, so using a Modbus-enabled switch allows engineers to monitor the network status of the existing SCADA system, and quickly act on it.
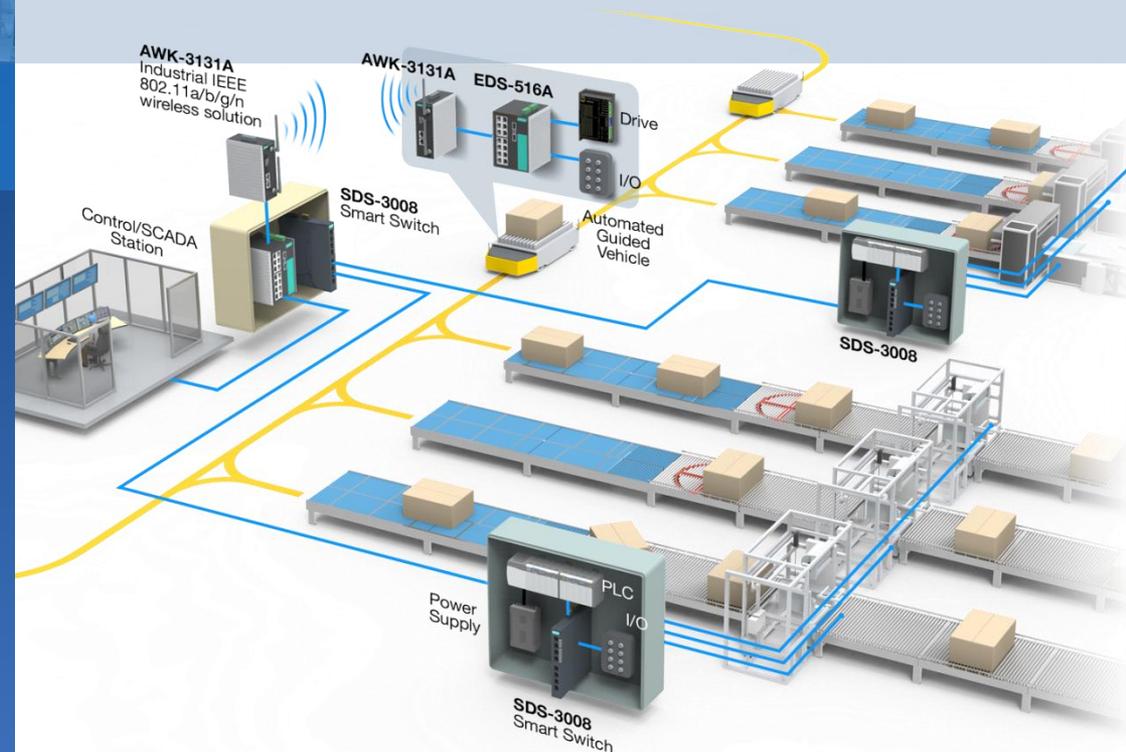

Smart Switch Benefits

- Modbus/TCP, EtherNet/IP, and PROFINET industrial protocols are supported for easy integration and monitoring in automation HMI/ SCADA systems.
- Supports RSTP/STP for rapid network redundancy.
- Supports a range of useful management functions, including IEEE 802.1Q VLAN, port mirroring, SNMP, and warning by relay.
- IEC 62443-4-2 Level 1 compliance to ensure device-level security.
- Supports 19-inch rackmount cabinets with the 1 U rack accessory.

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Automated Material Handling

Requirements:

A solution provider of automated material handling systems deployed an EtherNet/IP programmable logic controller (PLC) for control systems. The solution provider also required Ethernet/IP enabled switches to facilitate easy integration into the existing SCADA system. In addition, the customer requested an easy way to back up and restore configuration files, and to perform troubleshooting in order to minimize downtime.

Why Smart Switch?

- Supports the pre-configured EtherNet/IP protocol, which allows engineers to easily monitor the status of existing automation SCADA and HMI systems.
- Supports RSTP/STP for rapid network redundancy.
- ABC-02 automatic backup configurator for quick event logs and configuration backup.
- Compact and flexible housing design to fit into confined spaces, such as control cabinets.

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