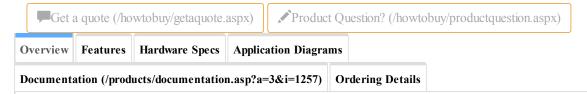# IDS-409C Managed Industrial Gigabit Switch with Combo Ports

5 x 10/100/1000Base-T and 4 x 10/100/1000Base-T or 100/1000Base-X SFP Ports

(/productimages/ids-x09c-xlg.jpg)

- 5 port 10/100/1000Base-T (RJ45) ports for Gigabit and Fast Ethernet devices
- 4 flexible dual purpose Combo ports: 100/1000Base-X SFP fiber or 10/100/1000Base-T (RJ45)
- IP Manageability, VLAN and resiliency management
- Digital inputs for generation of alerts
- Compact, corrosion resistant case attaches to a standard DIN Rail
- Redundant dual power input 12/24/48 VDC, 24 VAC
- Out-of-band management via RJ45 or USB serial ports
- Programmable Controller safety and Hazardous Location Certification
- -40 to 75C industrial operating temperature (XT Models)

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Overview   **Features**   **Hardware Specs**   **Application Diagrams**

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The **IDS-409C** is a **9 port Managed Ethernet Switch** that can operate in **industrial environments** providing advanced performance and enabling **real-time deterministic network operation**. Five 10/100/1000-Base-T Ethernet ports are available for networking Gigabit and Fast Ethernet devices. The other four ports can be **configured to use either 100/1000Base-X SFP fiber or 10/100/1000Base-T**. This flexibility allows for **easy adaptation to network growth and changes**.

Data corruption over copper-based Ethernet links can be caused by **high levels of electromagnetic interference (EMI)** in environments like industrial plants. Utilizing fiber is the solution. Data transmitted over fiber optic cable is completely immune to EMI noise ensuring optimal data transmission across the plant floor.

Perle **Industrial-grade Ethernet Switches** are designed to stand up to **extreme temperatures, surges, vibrations**, and **shocks** found in **industrial automation, government, military, oil and gas, mining** and **outdoor applications**.

Product Question?

The simple **Plug and Play** installation available in Perle's **Fast Setup feature** gets your Ethernet devices networked immediately. **CCNA** (Cisco Certified Network Associate) and **CCNP** (Cisco Certified Network Professional) trained engineers will appreciate the familiar **Command Line Interface (CLI)** via in-band Telnet or the out-band serial console port.

An IPv6 address can be used to manage the **IDS-205G** which also supports a comprehensive set of

management functions, such as P-Ring (/supportfiles/p-ring.shtml), **management VLAN**, **QoS**, **RMON**, **N:1 port mirroring** and **local alert log**.

The IDS-409C, which comes in a variety of models, are **rugged fan-less switches** that are hardened to provide superior reliability **in -10 to 60°C, or** harsh extended operating temperatures **from -40 to 75°C**. **Every component** on every industrial (XT) model has been **designed and tested** to handle operating temperatures between -40 and 75C.

All Perle Industrial Ethernet Switches have a corrosion resistance aluminum case and dual redundant power input with reverse polarity and overload protection. In addition, all units only use **high-end components** from the **leading chip manufacturers** to ensure the highest level of **durability and reliability**.

Perle has been **designing industrial hardware** for **over 35 years** and have used this expertise to design the **toughest Ethernet switches on the market** that will keep your system running for years to come.

IDS-409C Industrial Managed DIN Rail Switch Features

Simple deployment	Zero-touch discovery using Dynamic Host Control Protocol (DHCP), Perle's "Fast Setup" for first time installation, provides simple deployment in Ethernet environments
Resiliency	- STP and RSTP protocols for fast recovery. - Perle's P-Ring protocol (/supportfiles/p-ring.shtml) for fast convergence in ring topologies
Manageability	- Web Device Manager, Telnet, SNMP and Perle's PerleView (/products/perleview.shtml) NMS for centralized management - In-band management via RJ45 or USB serial ports - Use an IPv4 or IPv6 address - Removable MicroSD flash for configuration files and firmware backup and restoration
Rugged design for harsh environments	- Corrosion resistant case - Programmable Controller Safety certified - Certified for hazardous locations - Extended industrial temperature models
Reliable operation	- Fan-less, no moving parts - Dual power input. Connect to separate power sources for redundancy. - Reverse polarity protection - Overload current protection - Handles vibration and shock conditions found in industrial environments
Real-time Ethernet performance	- Fast wire-speed , store and forward switching - Auto-sensing for speed and duplex - Auto-mdi/mdix-crossover works with straight and crossover cables

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