

Managed Industrial Ethernet Switches

Compact DIN Rail Switches

Specifically designed to connect devices in network environments that are subject to extreme operating temperatures of -40°C to 75°C, vibrations, and shocks, Perle has over **516 models of Managed Industrial Ethernet Switches**. They are built to exceed the specifications of commercial switches with industrial safety certification and approval for hazardous locations, making them ideal for the harsh environments found in factory and industrial automation, marine, rail and intelligent transportation systems (ITSs), oil and gas, mining and outdoor applications.

Perle IDS Managed Switches come with **Enterprise-grade features**, extensive security, QoS, and network integration functionality:

- PROFINET and Modbus TCP protocols supported for monitoring and device management
- [Ring Protocol MRP \(IEC 62439-2\)](#) for <10ms recovery time
- STP/RSTP/MSTP for network redundancy
- [TACACS+ and RADIUS authentication](#), authorization and accounting (AAA) security services
- SSH, SNMPv3, and HTTPS [secure management sessions](#)
- [IEEE 1588 V1 and V2 PTP](#) for microsecond accuracy
- Protection of User Access Ports through [IEEE 802.1x Authentication and Port Security](#).
- [Advanced protocols](#) to optimize the performance and intelligence of the network: IGMP Snooping, LLDP-MED, GVRP, Voice VLANs, MSTP, GMRP, and IPv6 MLD Snooping


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Perle IDS Industrial Managed Switches

[IDS-305](#)

[5-port Managed Switch](#)



- [5 x 10/100/1000 RJ45 Ethernet ports](#)

[IDS-305F](#)

[5-port Managed Switch](#)



- [4 x 10/100/1000 RJ45 Ethernet ports](#)
- [1 x 100Mbps SC or ST Fiber port](#)

[IDS-305G](#)

[5-port Managed Switch](#)



- [4 x 10/100/1000 RJ45 Ethernet ports](#)
- [1 x Gigabit SC or ST Fiber port](#)

[IDS-306](#)

[6-port Managed Switch](#)



- [5 x 10/100/1000 RJ45 Ethernet ports](#)
- [1 x Gigabit Fiber SFP Slot](#)

[IDS-509](#)

[9-port Managed Switch](#)



- [9 x 10/100/1000 RJ45 Ethernet ports](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509SFP](#)

[9-port Managed Switch](#)



- [4, 6, 7 or 8 x 10/100/1000 RJ45 Ethernet ports](#)
- [5, 3, 2 or 1 x 100/1000 Fiber SFP Slots](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509F](#)

[9-port Managed Switch](#)



- [6, 7 or 8 x 10/100/1000 RJ45 Ethernet ports](#)
- [3, 2 or 1 x 100Mbps SC or ST Fiber ports](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509G](#)

[9-port Managed Switch](#)



- [6, 7 or 8 x 10/100/1000 RJ45 Ethernet ports](#)
- [3, 2 or 1 x 1Gig SC or ST Fiber ports](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509C](#)

[9-port Managed Switch](#)



- [5 x 10/100/1000 RJ45 Ethernet ports](#)
- [4 combo ports of 10/100/1000 RJ45 and 100/1000 Fiber SFP slots](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509PP](#)

[9-port PoE Switch](#)



- [9 x 10/100/1000 RJ45 Ethernet ports](#)
- [Up to 8 ports 30watt PoE+](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509GPP](#)

[9-port PoE Switch](#)



- [6 or 7 x 10/100/1000 RJ45 Ethernet ports](#)
- [3 or 2 x 1Gig SC or ST Fiber ports](#)
- [Up to 6 ports 30watt PoE+](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509FPP](#)

[9-port PoE Switch](#)



- [6 or 7 x 10/100/1000 RJ45 Ethernet ports](#)
- [3 or 2 x 100Mbps SC or ST Fiber ports](#)
- [Up to 6 ports 30watt PoE+](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-509CPP](#)

[9-port PoE Switch](#)



- [5 x 10/100/1000 RJ45 Ethernet ports](#)
- [3 combo ports 10/100/1000 RJ45 PoE+ and 100/1000 FiberSFP slots](#)
- [1 x 100/1000Mbps Fiber SFP Slot](#)
- [Up to 8 ports 30W PoE/PoE+, IEEE 802.3af/at compliant](#)
- [Digital Inputs for the generation of alerts](#)

[IDS-710HP](#)

[10-port PoE \(100W\) Switch](#)



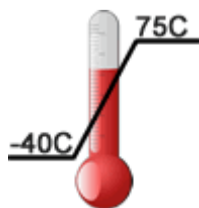
- [8 x 10/100/1000 RJ45 Ethernet ports](#)
- [2 x SFP Slots supporting 1G/2.5G Fiber or 10/100/1000Base-T](#)
- [8 ports 100W Hi-PoE, IEEE 802.3bt compliant](#)
- [450 Watts of available power](#)

More Industrial Managed Switches

Why Choose a Perle IDS Industrial Switch?



Perle Knows Industrial



Industrial Temperature-Grade



Standards-Based

We have been designing industrial hardware for Modbus and PROFINET to ethernet conversion for over 40 years. This expertise has been used to design the toughest Ethernet Switches on the market. Perle IDS-300 and IDS-500 Switches with the PRO feature set can be managed via PLC, NMS, HMI or SCADA systems using PROFINET or Modbus TCP. In addition, MRP (IEC 62439-2) provides fast convergence in an industrial ring network topology.



Robust & Reliable

Perle only uses **high-end components** from leading western chip manufacturers to ensure product reliability. This enables us to proudly publish the **high MTBF rates** on the Hardware Specs for each product. And, we back-up this reliability with a best-in-class Warranty.

Many manufacturers claim -40°C to 75°C but use commercial parts that will fail in environments with extremely high or low temperatures. Integrated PCB circuits will overheat and under-rated connectors will not allow for proper contact between the device and cables. To prevent this, every component used in Perle Industrial Temperature Switches has been designed and tested to handle operating temperatures between -40°C and 75°C.



Technical Support

We have sales and technical support staff around the globe to support you. If you need help choosing the best DIN-Rail Switch for your application, we provide [technical consultations](#) by phone or email. And, even though Perle Industrial Switches are extremely easy to install and configure, [post-sales support](#) is easy to contact.



Trust

Perle has been providing reliable device connectivity solutions **since 1976**. **That's over 40 years** of experience that businesses around the globe have come to trust to deliver superior connectivity technology for mission-critical applications.

More Perle IDS Industrial Switches

Perle IDS-200 and IDS-400 Managed Switches come with the Comprehensive Feature Set. Learn more: [Comprehensive vs PRO Feature Sets](#).

[IDS-205](#)



- [5 port 10/100/1000Base-T RJ45](#)

[IDS-205F](#)



- [4 port 10/100/1000Base-T RJ45](#)
- [1 port 100Base-X fiber SC/ST](#)

[IDS-205G](#)



- [4 port 10/100/1000Base-T RJ45](#)
- [1 port 1000Base-X fiber SC/ST](#)

[IDS-206](#)



- [5 port 10/100/1000Base-T RJ45](#)
- [1 slot 100/1000Base-X SFP](#)

[IDS-409](#)



- [9 port 10/100/1000Base-T RJ45](#)
- [Digital inputs](#)

[IDS-409SFP](#)



- [4, 6, 7 or 8 port 10/100/1000Base-T](#)
- [5, 3, 2 or 1 slots 100/1000Base-X SFP](#)
- [Digital inputs](#)

[IDS-409F](#)



- [6, 7 or 8 port 10/100/1000Base-T](#)
- [3, 2 or 1 port 100Base-X fiber SC/ST](#)
- [Digital inputs](#)

[IDS-409G](#)



- [6, 7 or 8 port 10/100/1000Base-T](#)
- [3, 2 or 1 port 1000Base-X fiber SC/ST](#)
- [Digital inputs](#)

[IDS-409C](#)



- [5 port 10/100/1000Base-T RJ45](#)
- [4 combo ports 10/100/1000Base-T / 100/1000Base-X SFP slots](#)
- [Digital inputs](#)

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