

## Protection Level of Industrial-Grade Switches



### Overview

For industrial switches, the IP protection level is the index of dust and water resistance, so what causes the difference in the index?

This is mainly related to the shell material of the switch. Industrial switches mainly include aluminum alloy shell and galvanized steel. The IP rating (Ingress Protection rating) is a crucial standard used to define the level of protection provided by enclosures for electronic devices, including industrial switches. This rating specifies the degree to which the switch is protected against solid particles (like dust) and liquids. Cisco's IP66/IP67-rated heavy-duty industrial switches are designed to provide secure and reliable connectivity in the harshest environments. Our comprehensive portfolio includes unmanaged switches, managed switches, PoE switches. Solutions Services Resources About Us FREE SHIPPING on Orders Over US\$79 United States Home HPC Data Center Enterprise Network Cabling WDM, OTN, PON Software AmpCon™ PicOS® Airware AmpCon™-T Hardware Network Switch Networking Devices Optics and Transceivers Fiber Optic Cables Copper Cables Patch Panels. The protection level of industrial switches is drafted by

IEC (International Electrotechnical Association). It is represented by IP, and IP refers to “ingress protection.

## Protection Level of Industrial-Grade Switches



Moxa provides a wide range of industrial Ethernet switches that feature industrial-grade reliability, network redundancy, strengthened security, easy management, and competitive price-to ...



Our network switches provide a high level of immunity against EMI and EMS found in industrial environments; and include features such as ESD Protection, Surge Protection, and Short Circuit ...



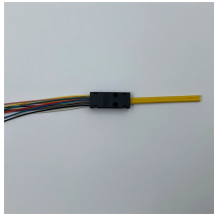
For industrial switches, if the general protection level exceeds 30, it can adapt to harsh industrial environments, which can ensure safe, reliable and stable communication of industrial switches.



The first digit of an IP rating is a number that describes the object's protection against solids, such as dust and dirt, with 0 yielding no protection and 6 offering the most protection.



The protection level (IP level) of industrial switches is an important indicator used to measure their dust-proof, waterproof and other protective capabilities.



This article explains all you need to know about IP ratings, their importance, and why IP rating matters in industrial switches.



Cisco's IP66/IP67-rated heavy-duty industrial switches are designed to provide secure and reliable connectivity in the harshest environments. These switches are dustproof and waterproof, ...



Industrial-grade Ethernet Switches are specifically designed to connect devices in network environments that are subject to extreme operating temperatures of  $-40^{\circ}\text{C}$  to  $75^{\circ}\text{C}$ , vibrations, and shocks.



Protection level: Industrial switches typically adopt IP40 or higher protection levels, effectively resisting dust, water, and corrosion, ensuring the reliability of the equipment in harsh ...



What is the IP rating for industrial switches? The IP rating (Ingress Protection rating) is a crucial standard used to define the level of protection provided by enclosures for electronic devices, ...

## Contact Us

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